

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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BASIC INSPECTION

BATTERY

How to Handle Battery

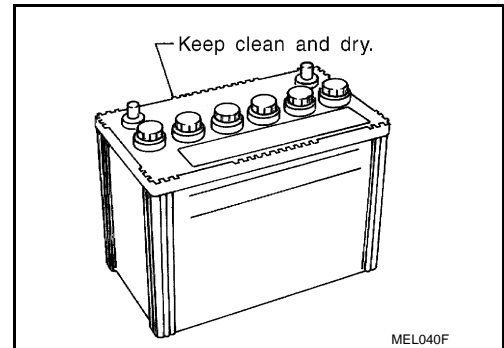
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CAUTION:

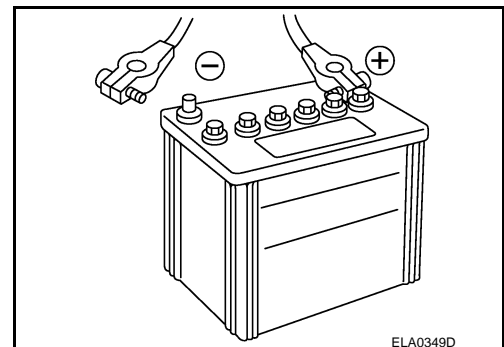
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

METHODS OF PREVENTING OVER-DISCHARGE

- The following precautions must be taken to prevent over-discharging a battery.
- The battery surface (particularly its top) should always be kept clean and dry.
 - The terminal connections should be clean and tight.
 - At every routine maintenance, check the electrolyte level.
This also applies to batteries designated as "low maintenance" and "maintenance-free".



- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage switch, turn it off.)



Work Flow

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BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:

- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

NOTE:

Refer to the applicable instruction manual for proper battery diagnosis procedures.

BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Check Electrolyte Level

WARNING:

Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

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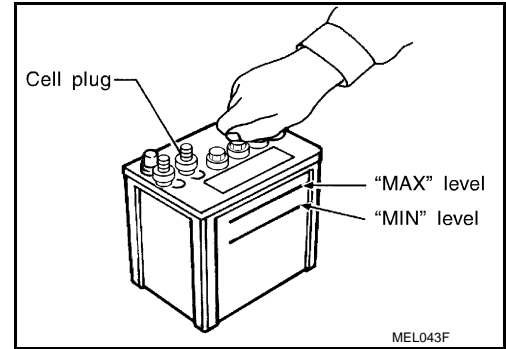
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BATTERY

[POWER SUPPLY & GROUND CIRCUIT]

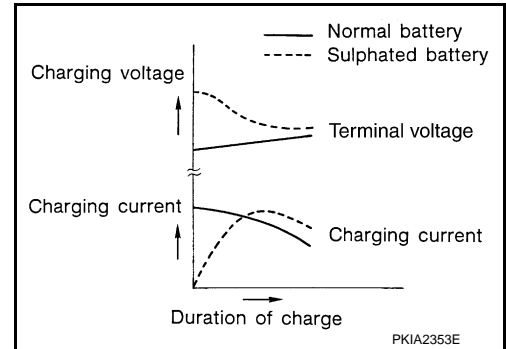
< BASIC INSPECTION >

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.



SULPHATION

- A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.
- To determine if a battery has been “sulphated”, note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.
- A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.



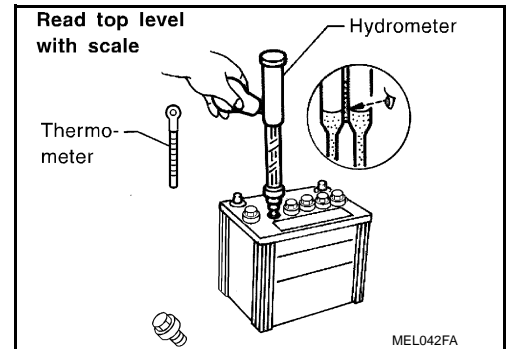
Specific Gravity Check

NOTE:

Check the charge condition of the battery.

Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.

1. Read hydrometer and thermometer indications at eye level.
2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	-0.004
16 (60)	-0.008
10 (50)	-0.012

BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024
-12 (10)	-0.028
-18 (0)	-0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

Charging The Battery

CAUTION:

- **Never “quick charge” a fully discharged battery.**
- **Keep the battery away from open flame while it is being charged.**
- **When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.**
- **If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).**

Charging Rates (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	5	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	13	0.5
1/2 charged	26	
1/4 charged		
Almost discharged	—	—
Completely discharged	—	—

NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

- If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

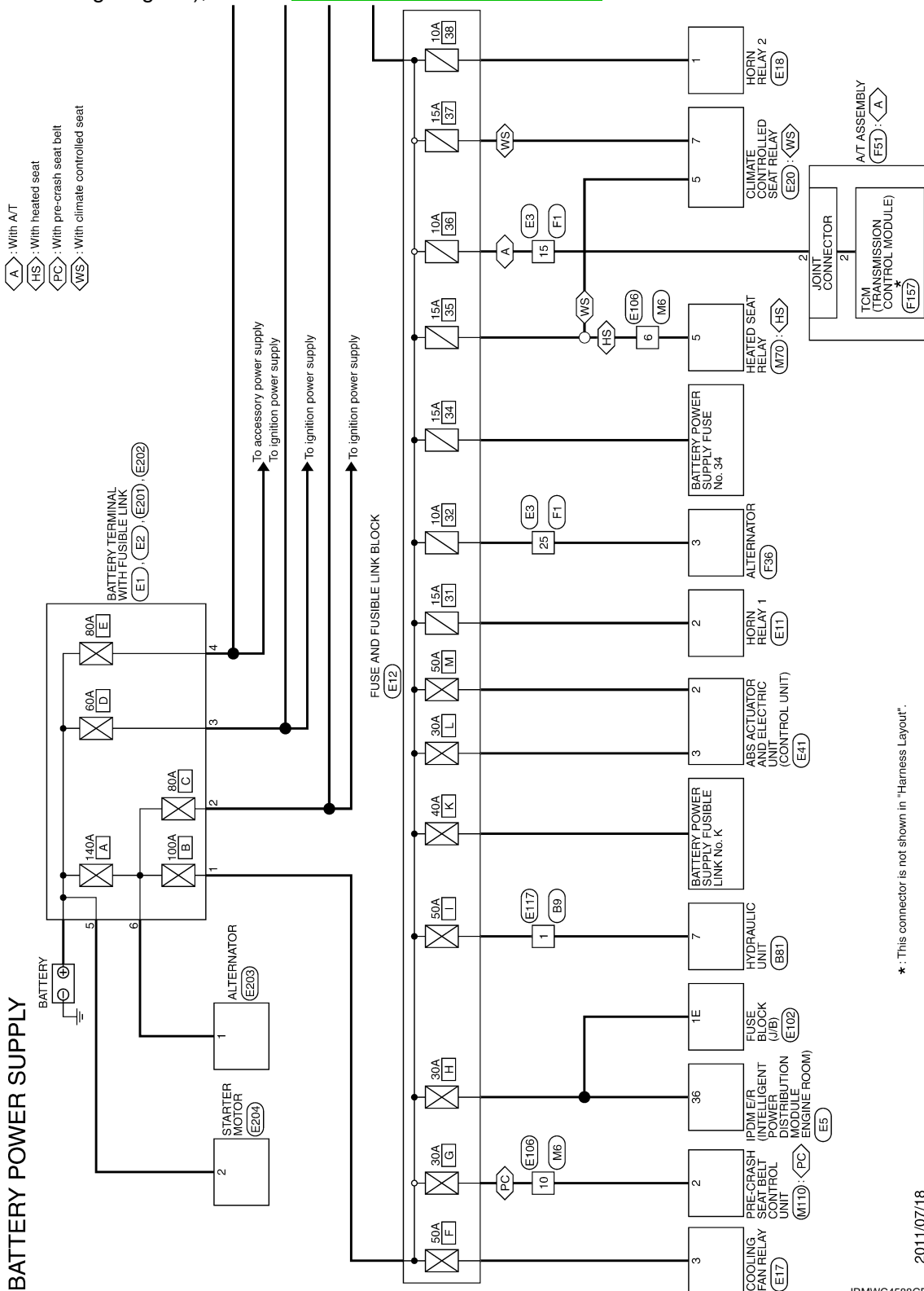
DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).

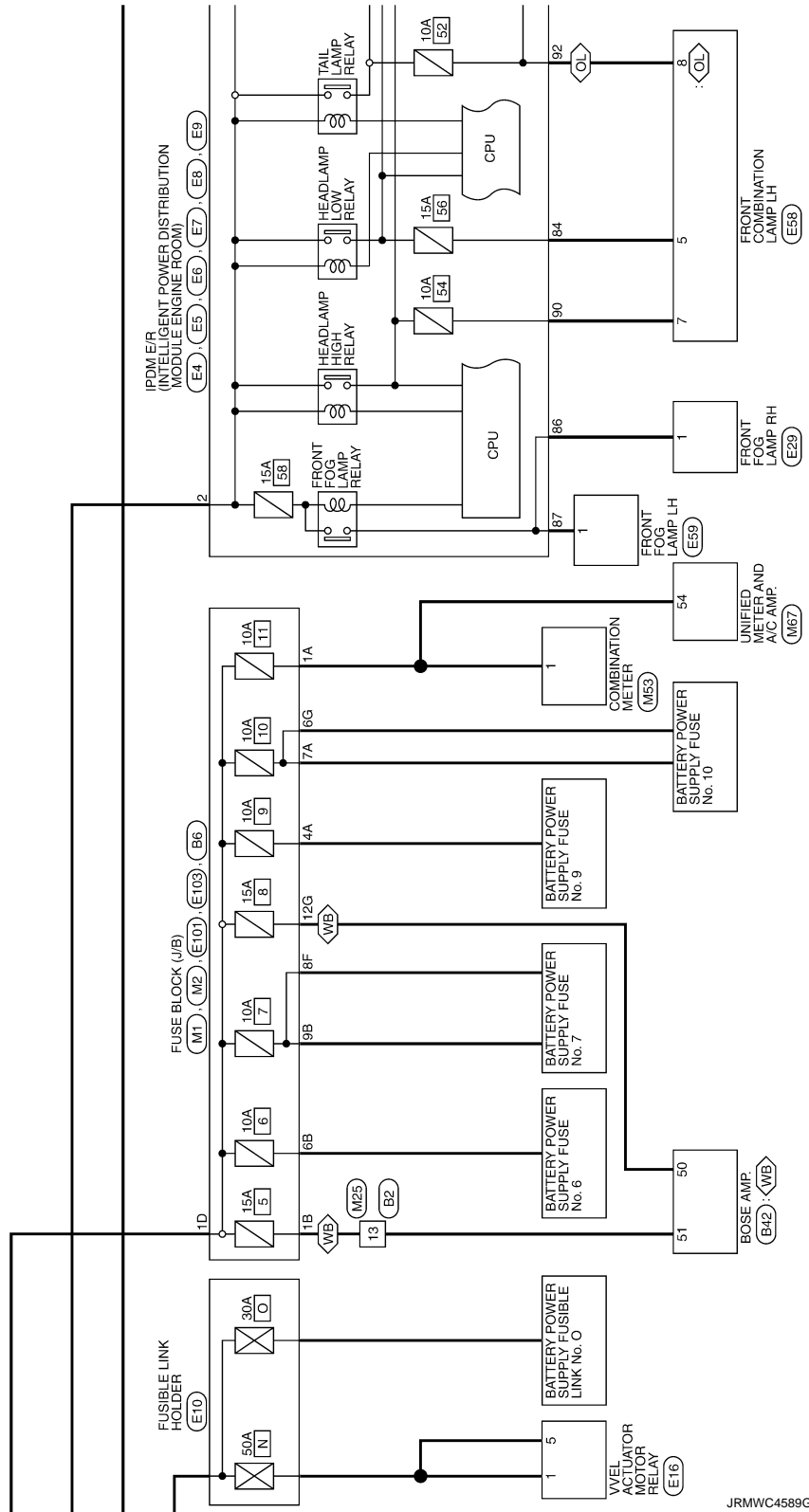


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

OL : Without daytime running light system
WB : With BOSE system



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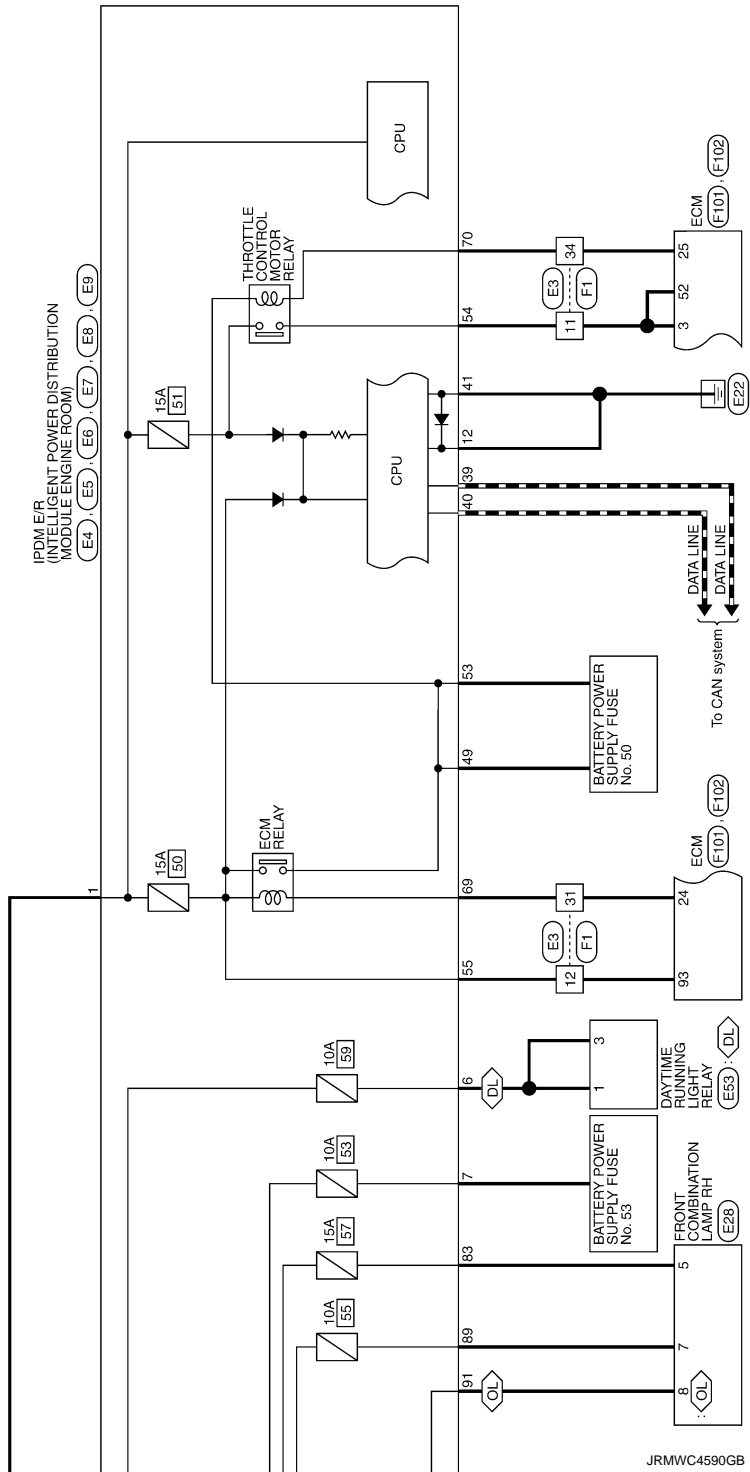
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

DL : With daytime running light system
 OL : Without daytime running light system




POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

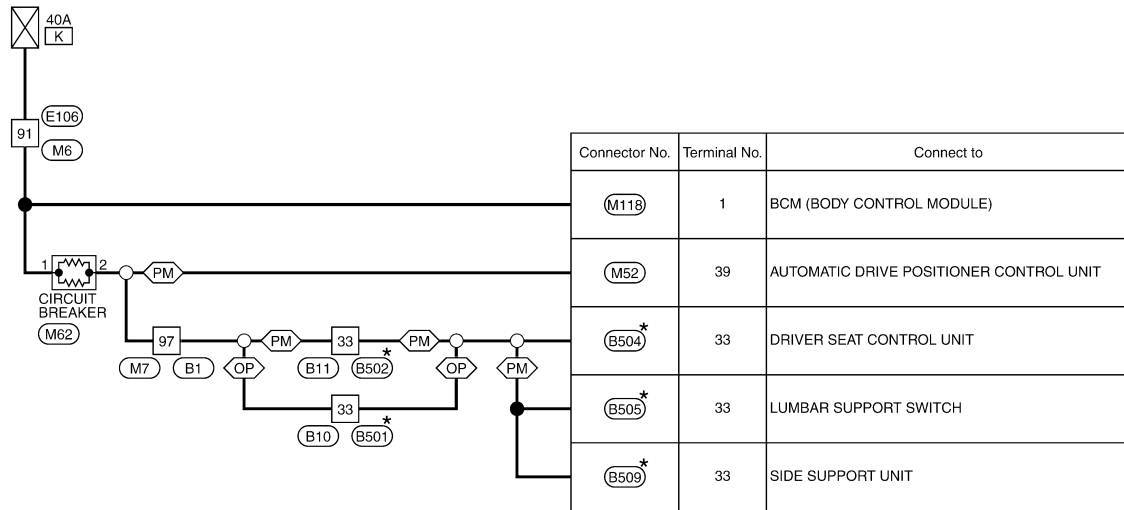
Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. K -

INFOID:000000008154870

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSIBLE LINK No. K

 : With automatic drive positioner
 : Without automatic drive positioner



* : This connector is not shown in "Harness Layout".

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
POWER SUPPLY ROUTING CIRCUIT

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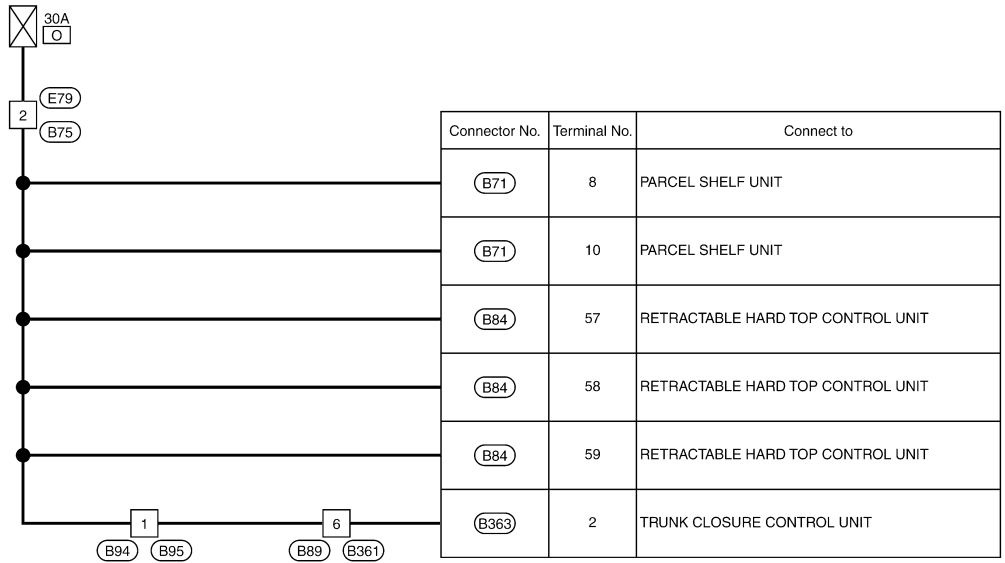
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. O -

INFOID:000000008154871

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSIBLE LINK No. O



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
POWER SUPPLY ROUTING CIRCUIT

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[POWER SUPPLY & GROUND CIRCUIT]

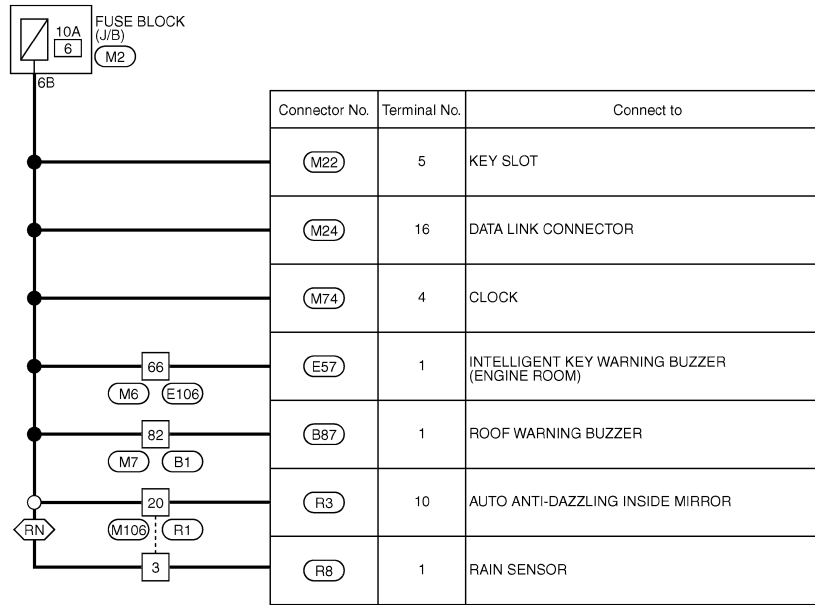
Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000008154872

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 6

: With rain sensor



2009/11/10

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
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

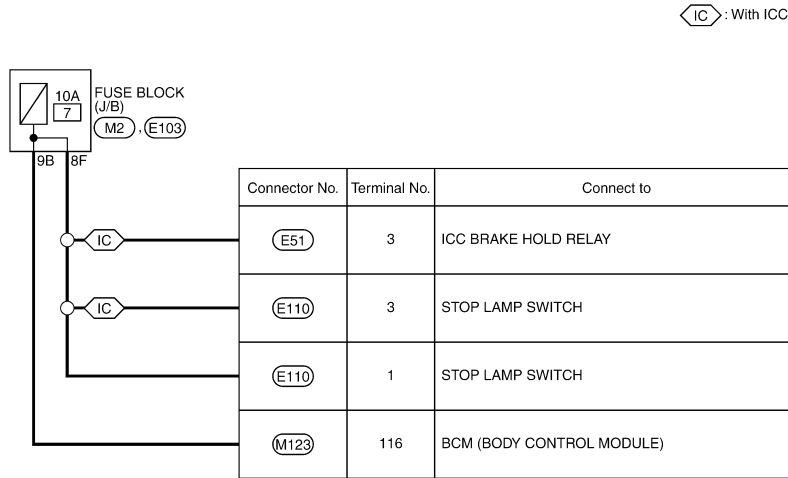
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:000000008154873

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 7



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
POWER SUPPLY ROUTING CIRCUIT

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
[POWER SUPPLY & GROUND CIRCUIT]

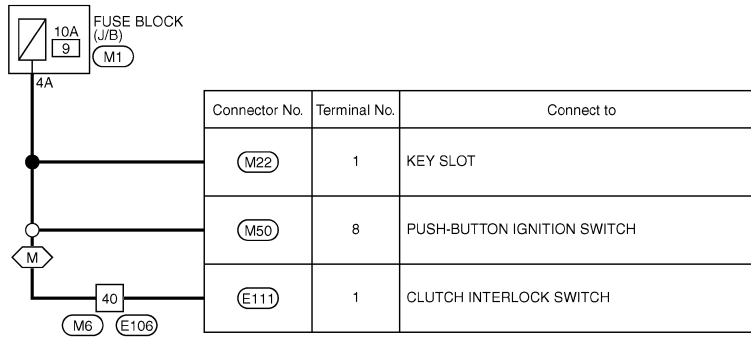
Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:000000008154874

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 9

 : With M/T



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
POWER SUPPLY ROUTING CIRCUIT

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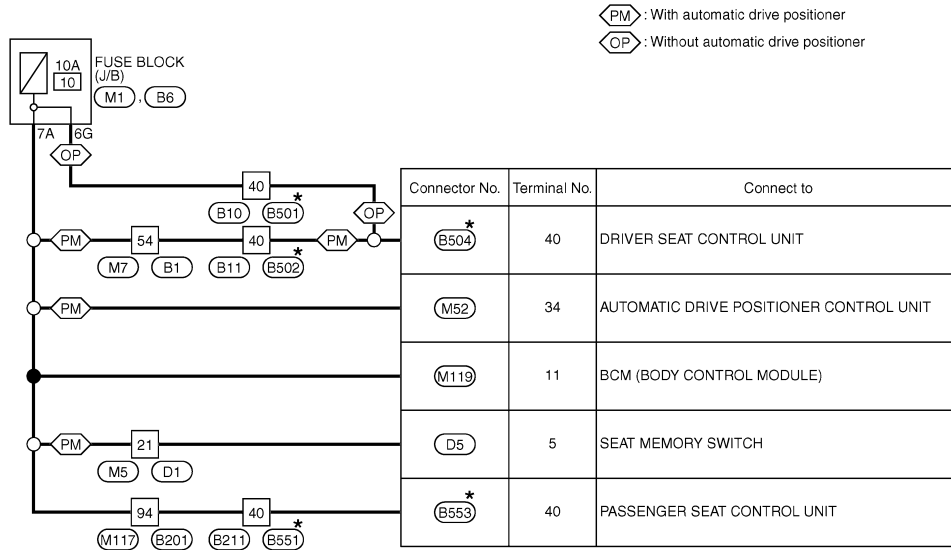
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:000000008154875

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 10



* : This connector is not shown in "Harness Layout".

2009/02/27

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
POWER SUPPLY ROUTING CIRCUIT

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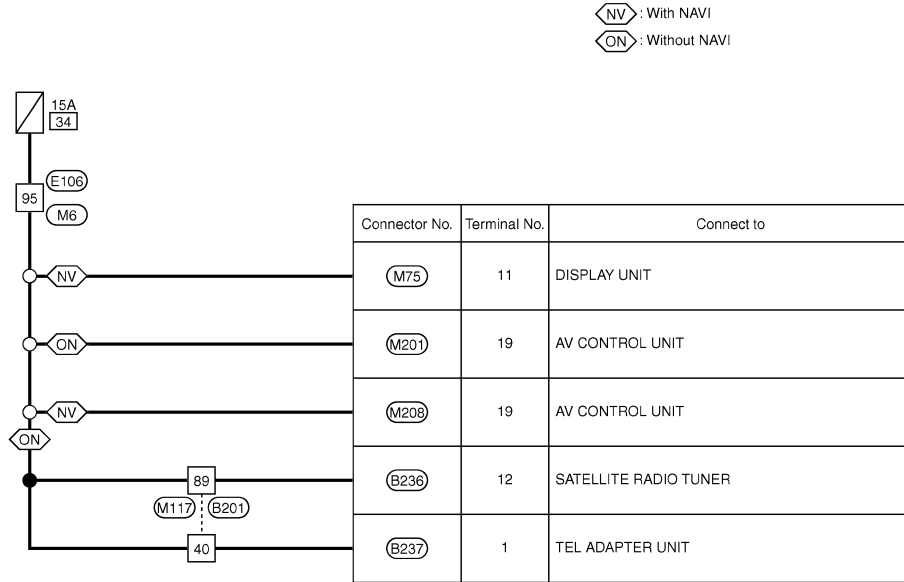
[POWER SUPPLY & GROUND CIRCUIT]



Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000008154876

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 34



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
POWER SUPPLY ROUTING CIRCUIT

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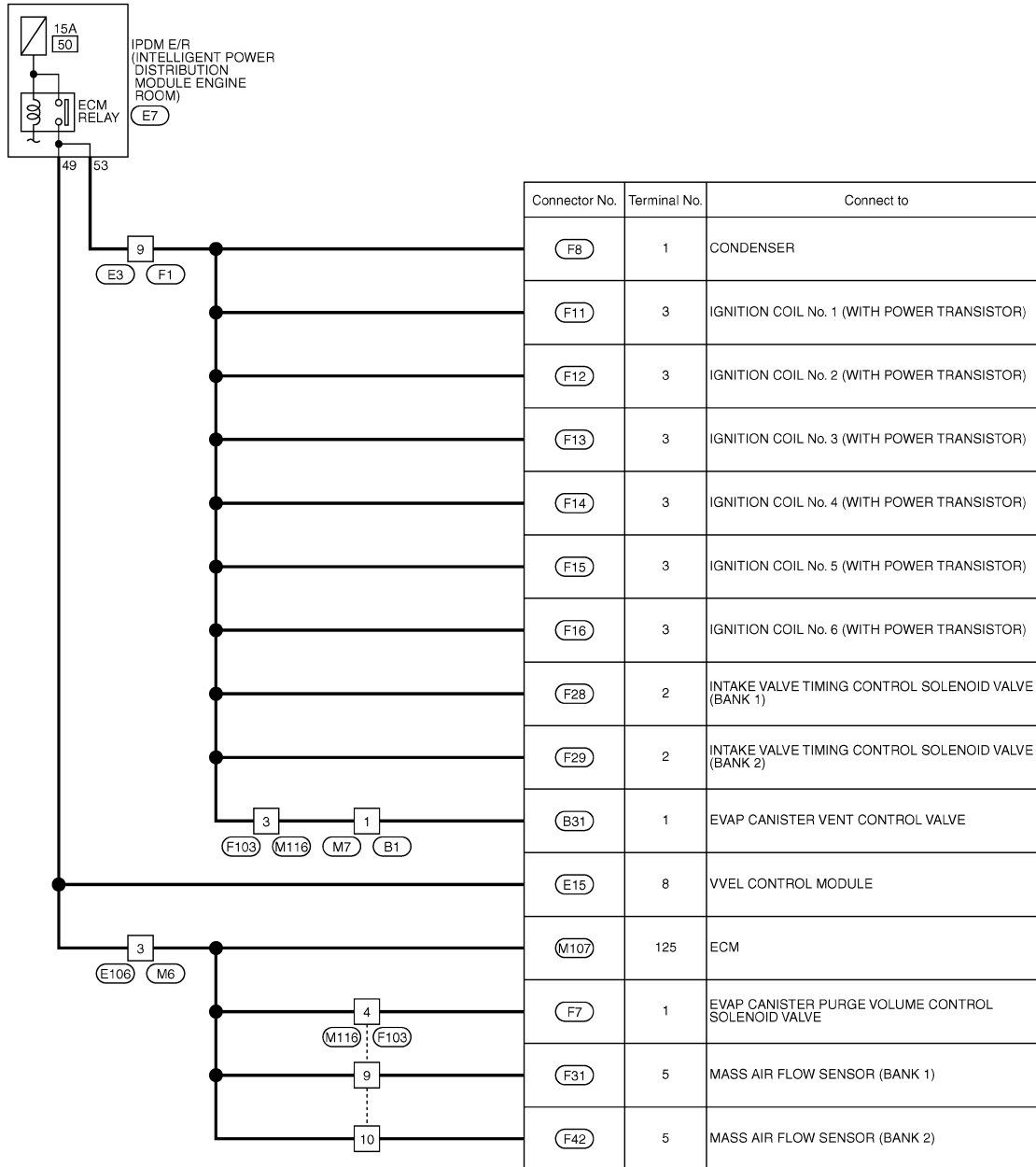
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000008154877

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 50



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
POWER SUPPLY ROUTING CIRCUIT

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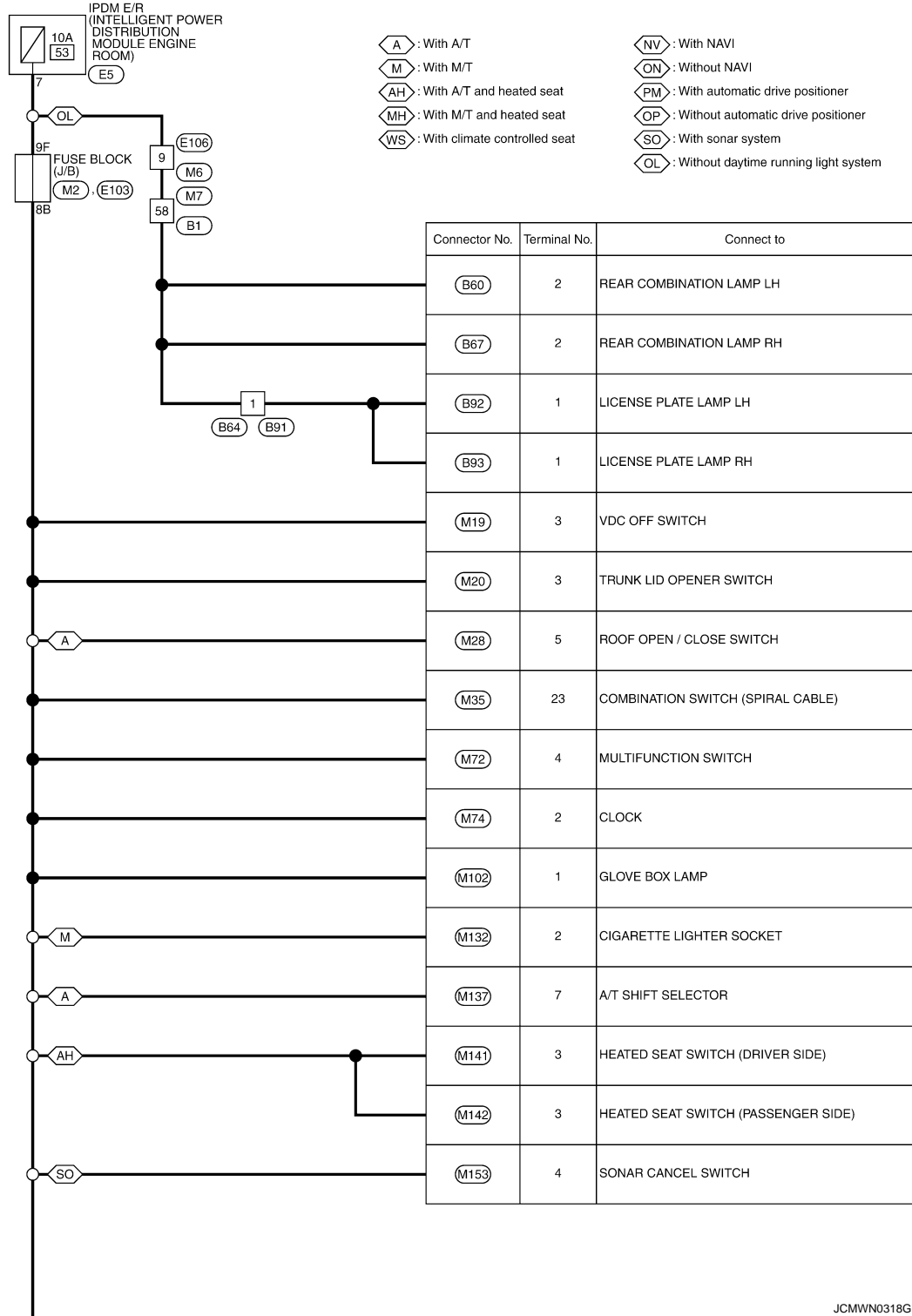
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000008154878

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 53



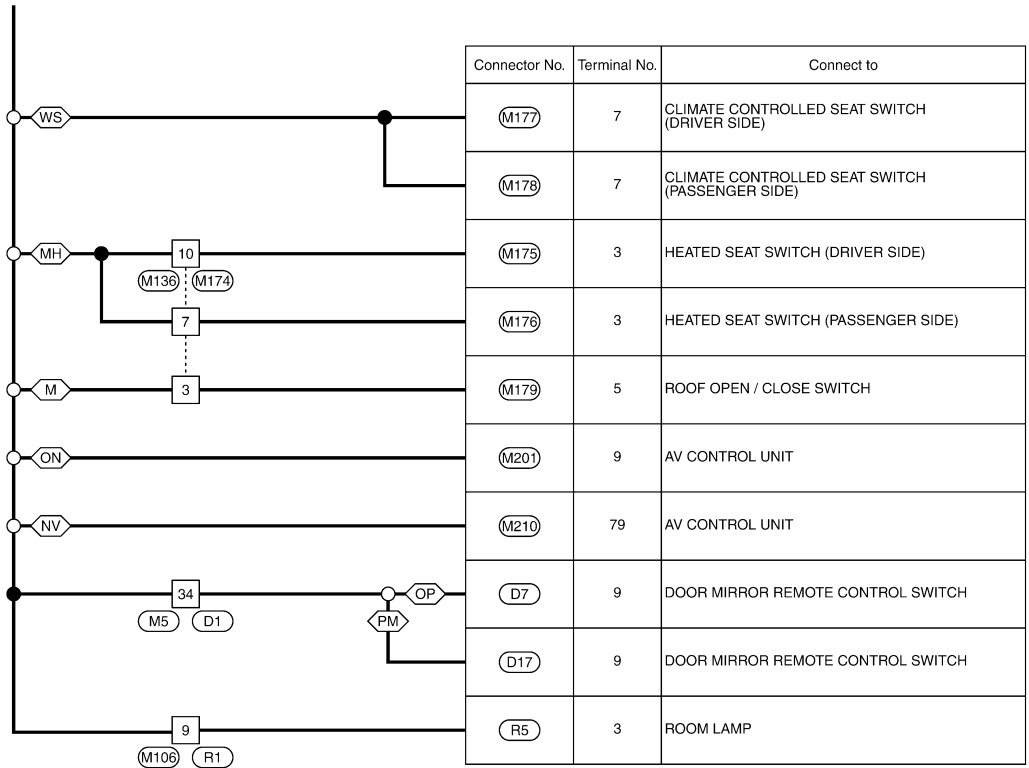
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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2010/10/12

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
POWER SUPPLY ROUTING CIRCUIT

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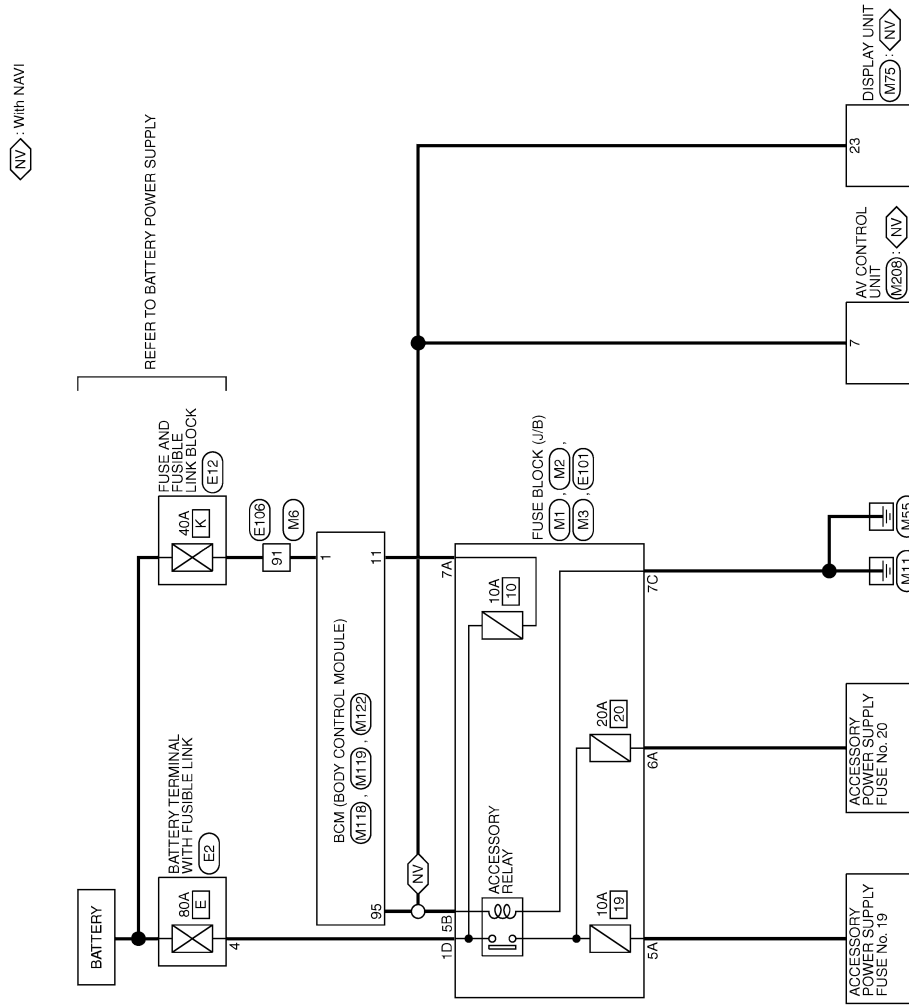
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000008154879

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

ACCESSORY POWER SUPPLY



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
POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >






[POWER SUPPLY & GROUND CIRCUIT]

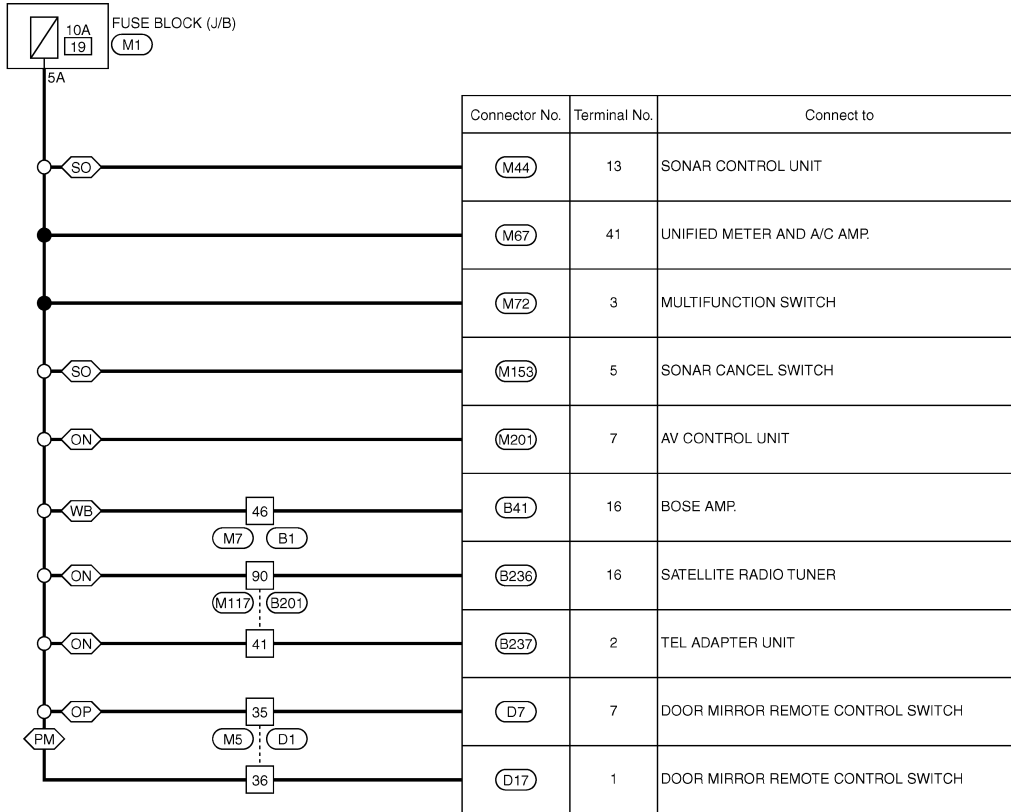
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

INFOID:000000008154880

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

ACCESSORY POWER SUPPLY FUSE No. 19

-  : With BOSE system
-  : Without NAVI
-  : Without automatic drive positioner
-  : With automatic drive positioner
-  : With sonar system



2012/03/05

JRMWD0200GB


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

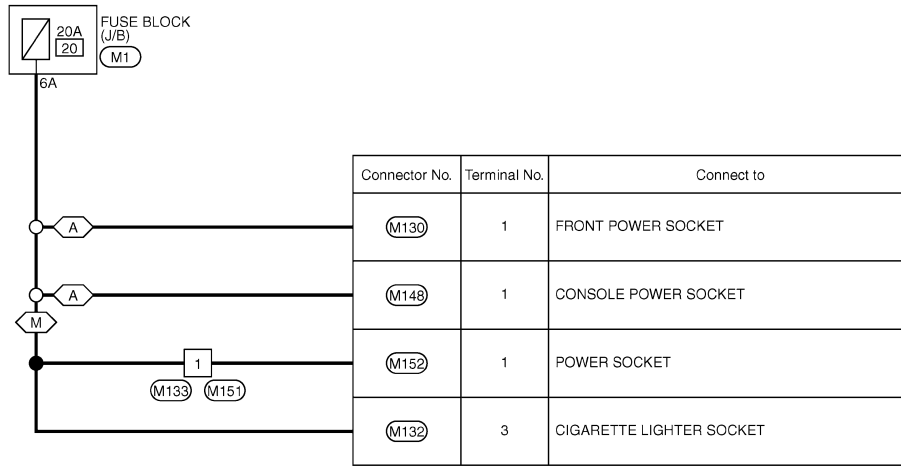
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -

INFOID:000000008154881

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

ACCESSORY POWER SUPPLY FUSE No. 20

 : With A/T
 : With M/T



2012/03/05

JRMWD0201GB

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
POWER SUPPLY ROUTING CIRCUIT

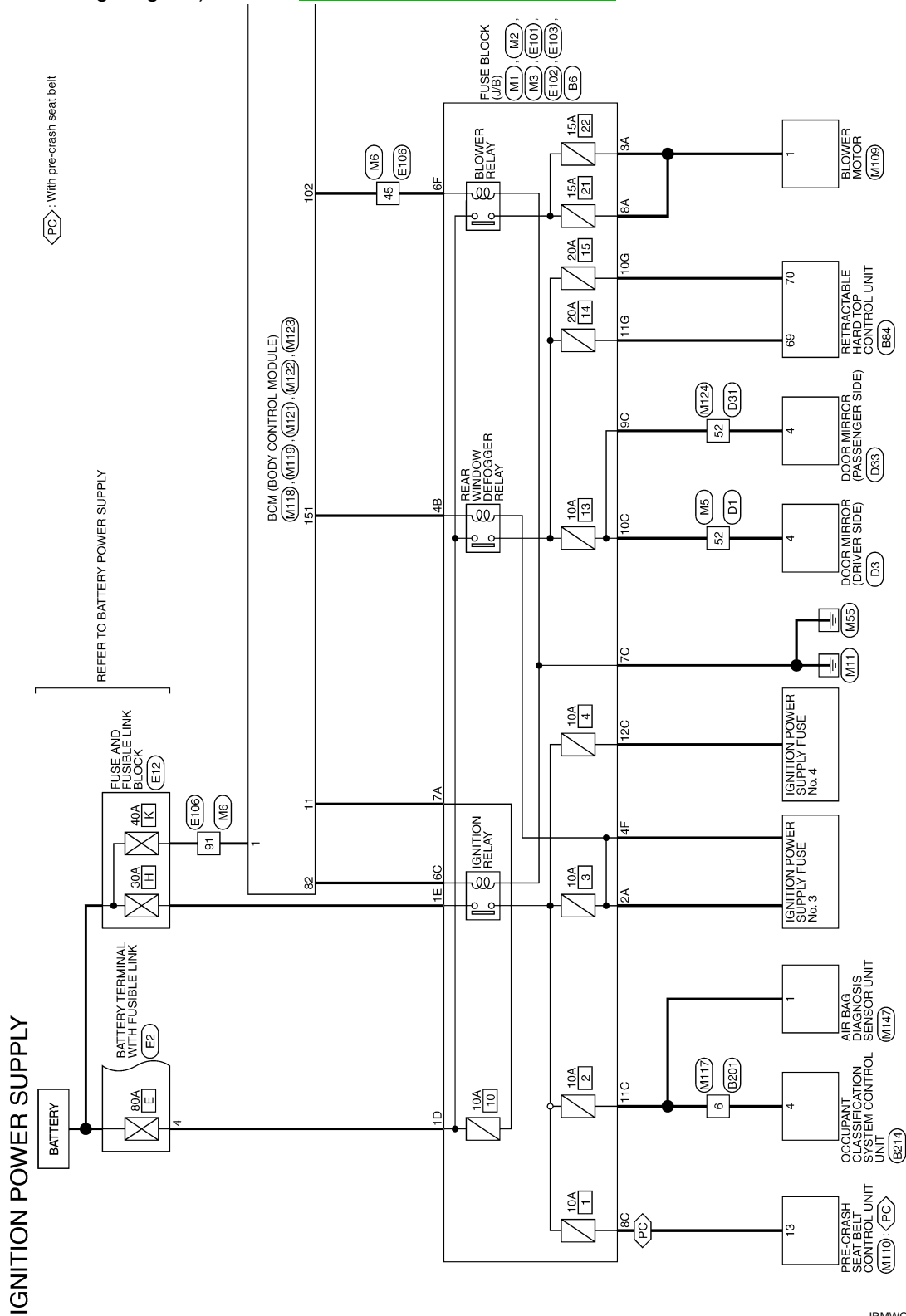
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000008154882

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



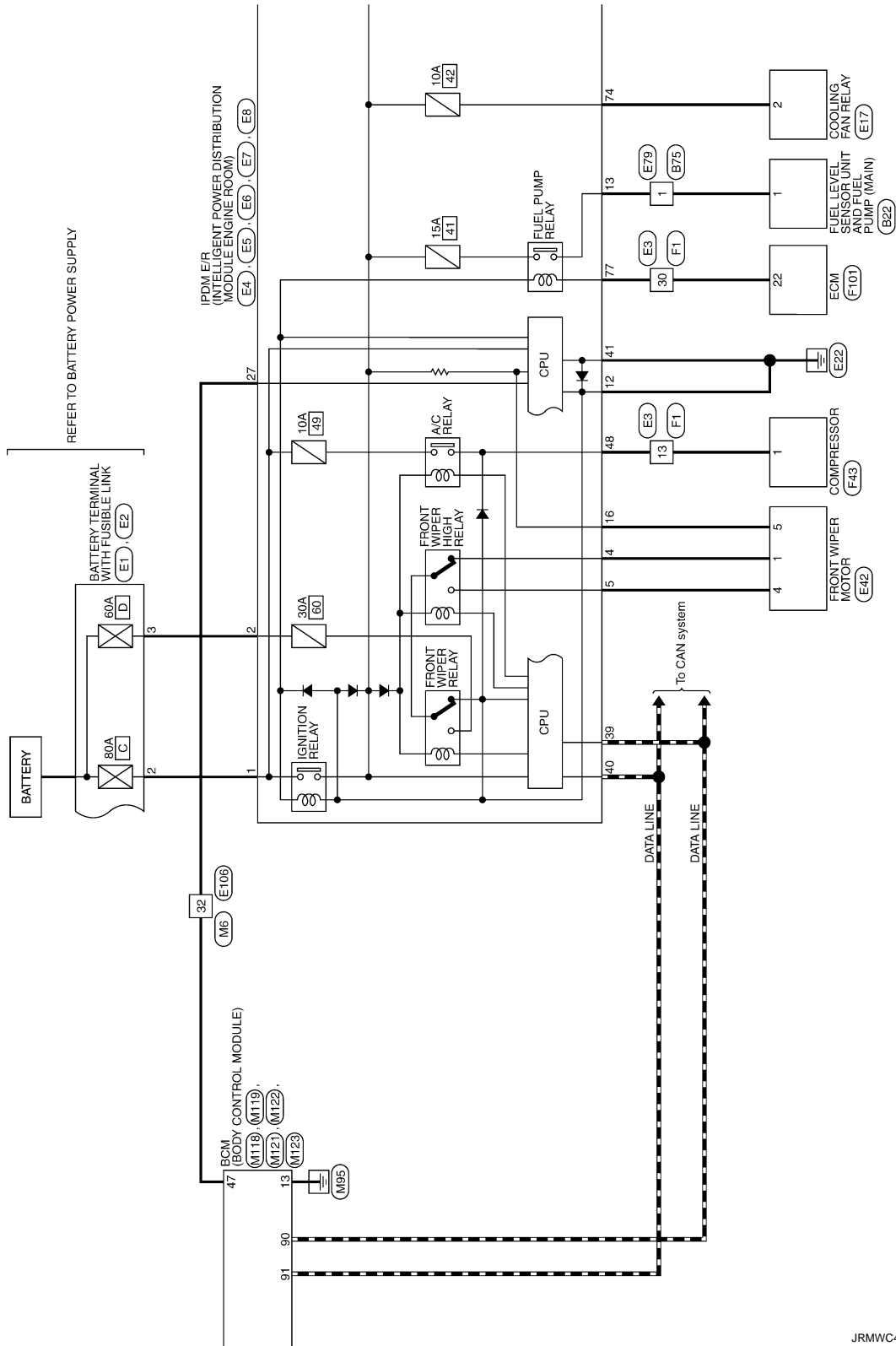
2011/07/18

JRMWC4592GB

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



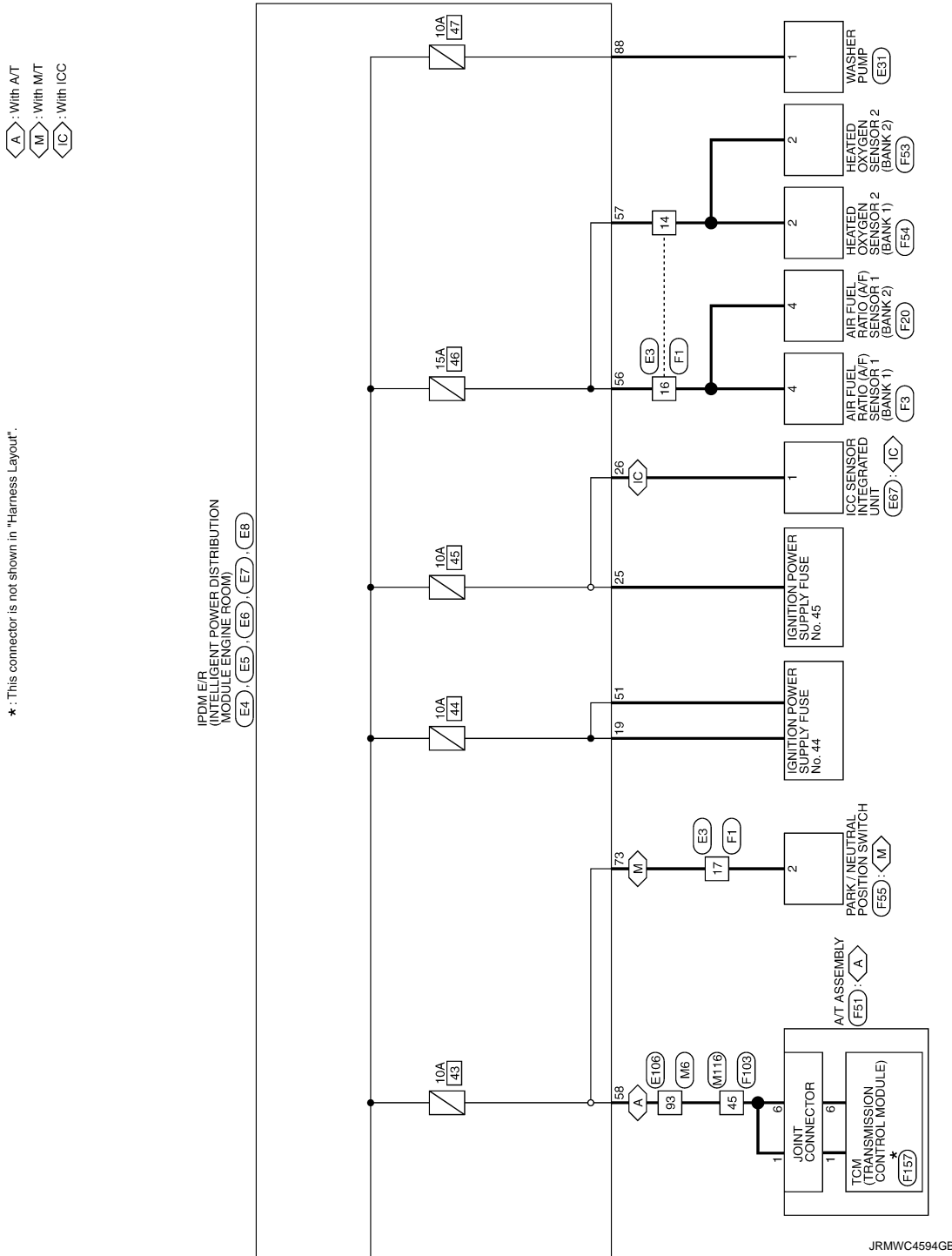
JRMWC4593GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



(A) : With A/T
(M) : With M/T
(C) : With ICC


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

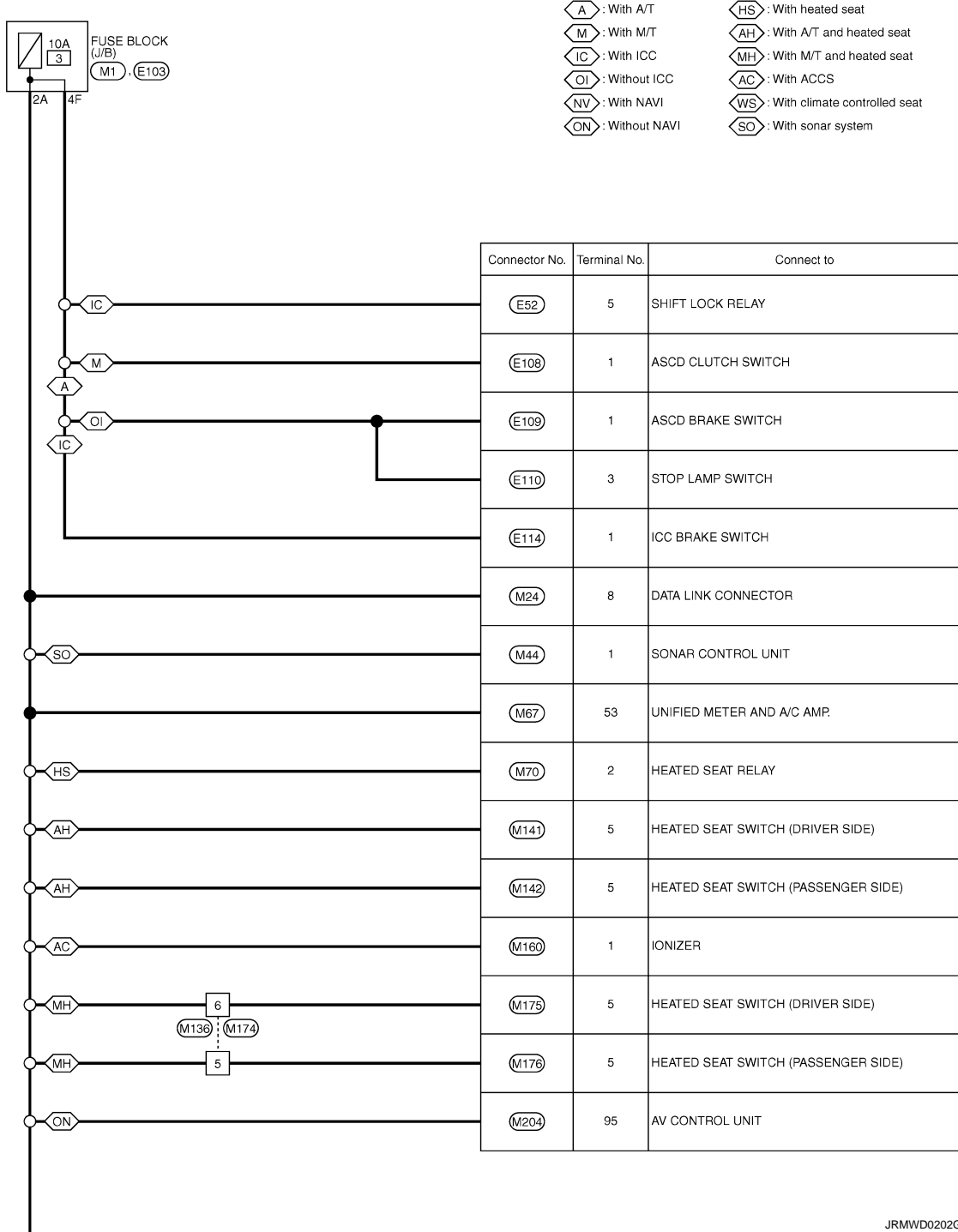
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:000000008154883

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 3



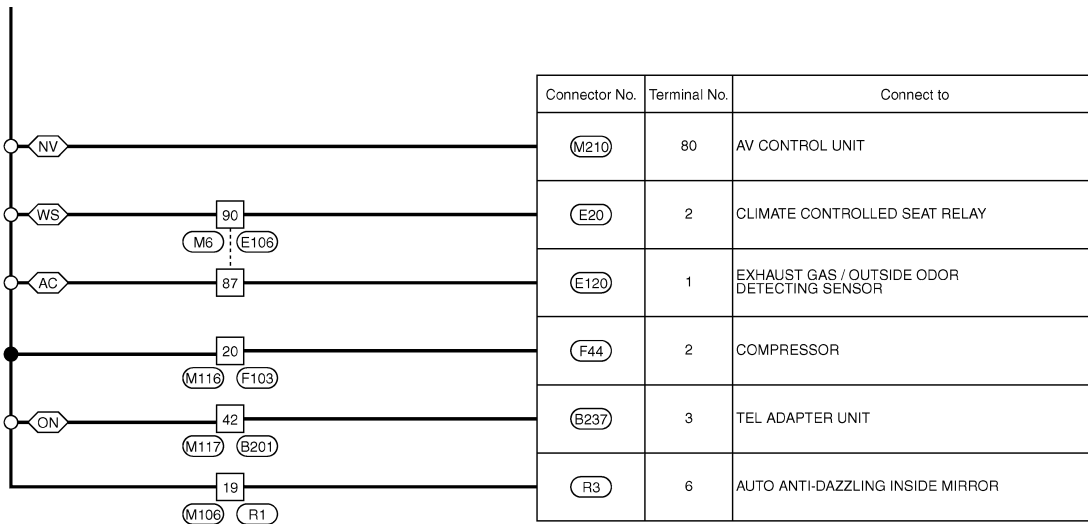
JRMWD0202GB

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POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2012/03/05

JRMWD0203GB


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

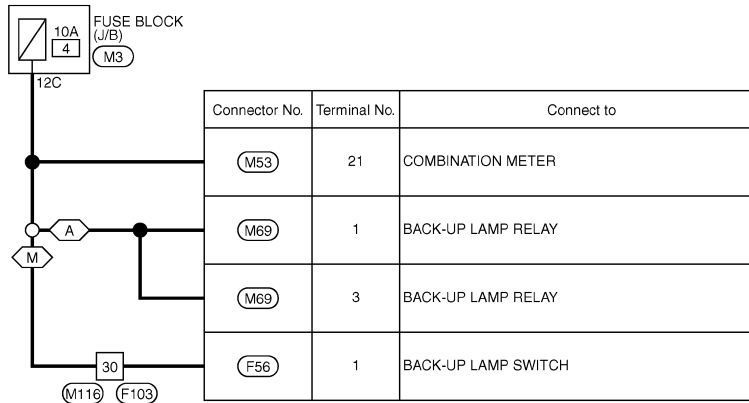
Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

INFOID:000000008154884

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 4

 : With A/T
 : With M/T



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2009/02/27

JCMWA4338GB


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

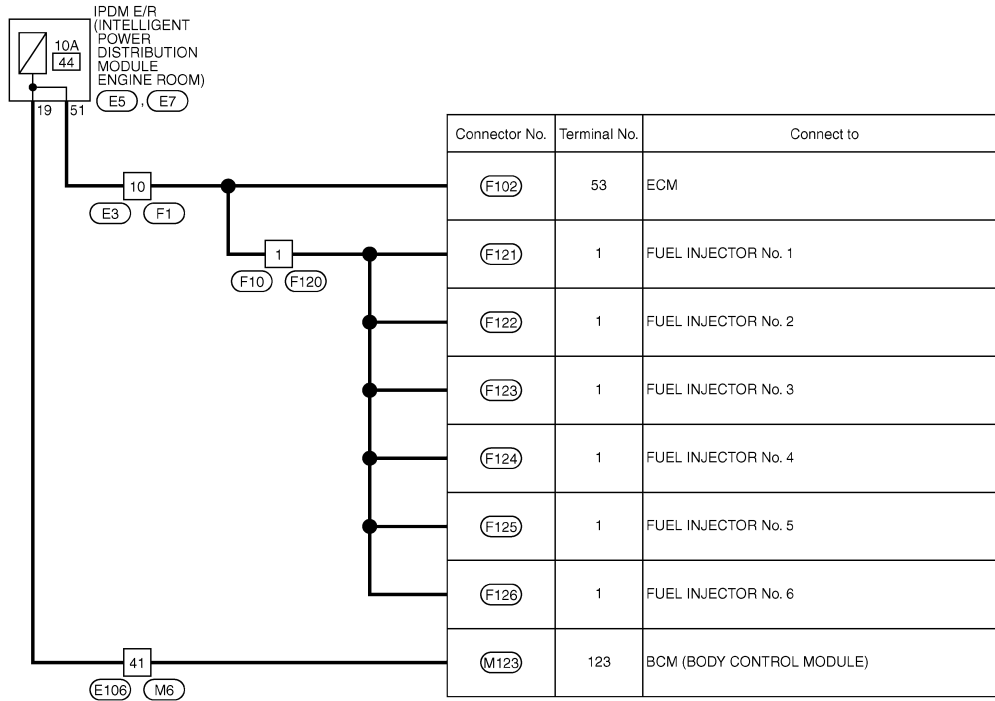
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000008154885

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 44



2009/11/10

JCMWM6401GB


POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

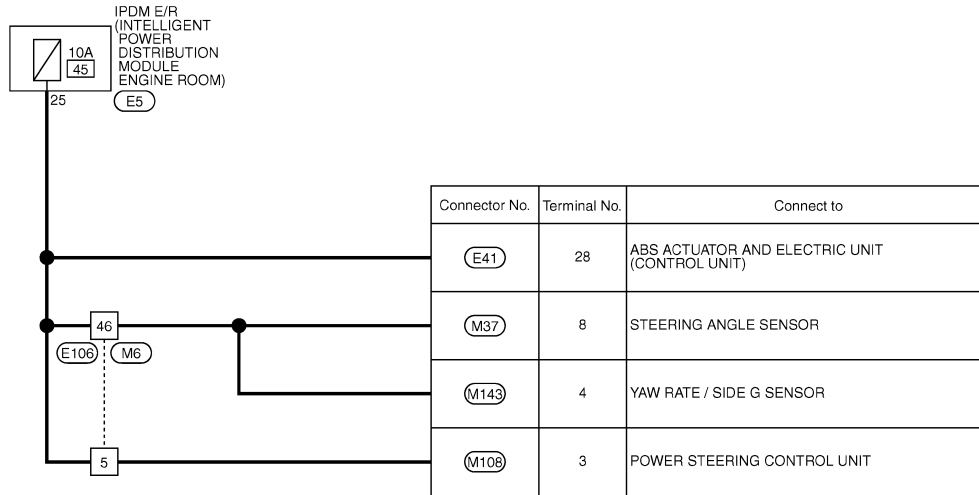
[POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000008154886

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 45



2009/11/10

JCMWM6406GB

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POWER SUPPLY ROUTING CIRCUIT

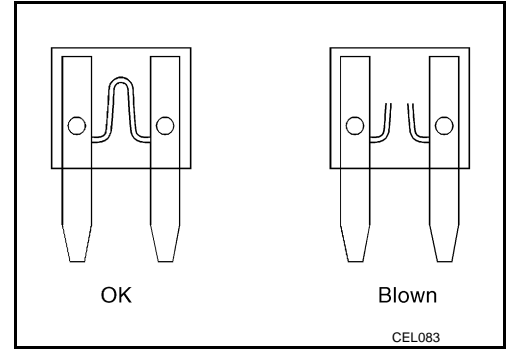
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Fuse

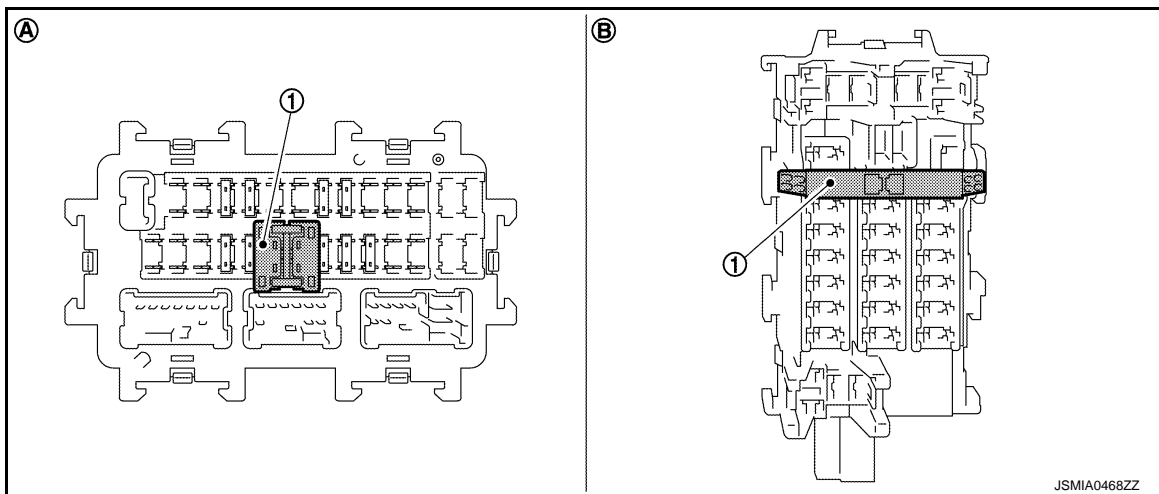
INFOID:000000008154887

- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



EXTENDED STORAGE SWITCH (IF EQUIPPED)

The following switch may be mounted on the fuse block (Junction Box) for transportation and storage.



1. Extended storage switch

A. Type A

B. Type B

- Remove the extended storage switch when replacing the fuse of extended storage switch.
- Remove the extended storage switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Switch ON/OFF

CAUTION:

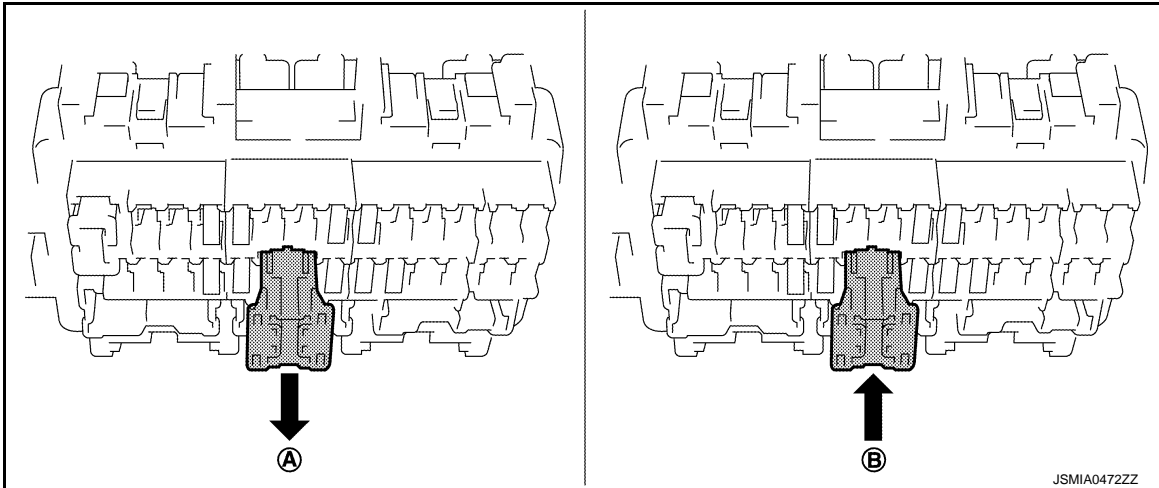
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

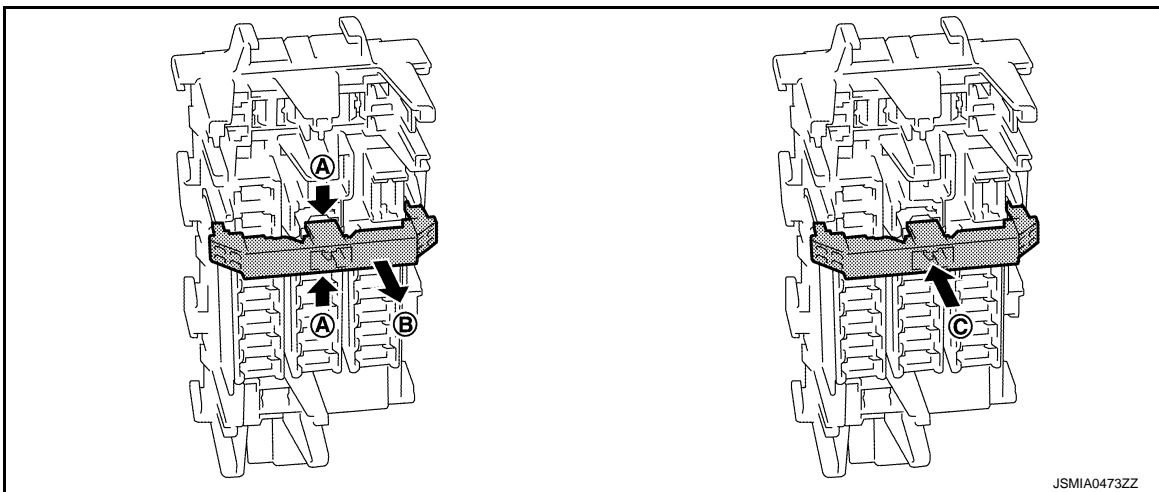
[POWER SUPPLY & GROUND CIRCUIT]

- Type A



- To turn the extended storage switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (B) direction as shown in the figure.

- Type B

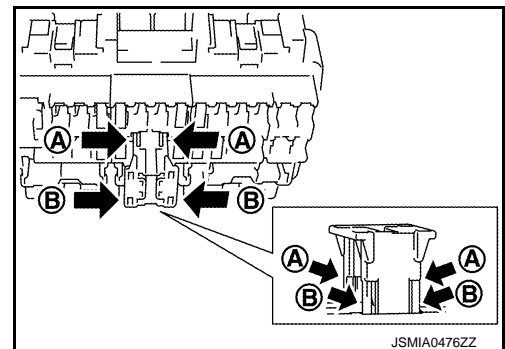


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

How To Remove Extended Storage Switch

Type A

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Press pawl (A) and tilt to disengage the extended storage switch. Press pawl (B) and tilt to remove the extended storage switch.



NOTE:

- Extended storage switch and fuse are removed together. Remove fuse from extended storage switch, if necessary.

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POWER SUPPLY ROUTING CIRCUIT

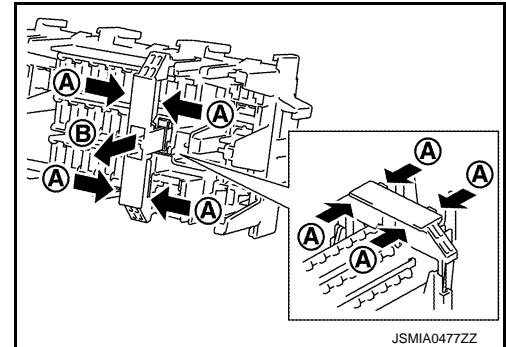
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- Extended storage switch is for transportation and storage. Reinstallation is not required after the removal.

Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Hold (A) and pull up the extended storage switch hard in (B) direction.



NOTE:

- Extended storage switch and fuse may be removed together. Remove fuse from extended storage switch, if necessary.
- Extended storage switch is for transportation and storage. Reinstallation is not required after the removal.

Fusible Link

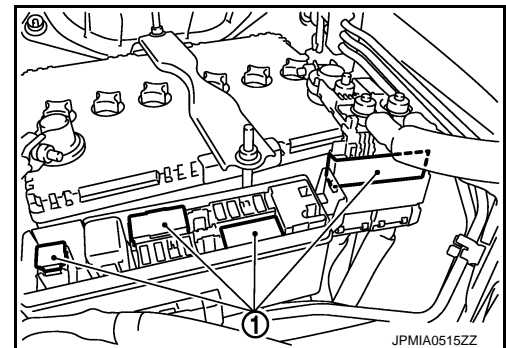
INFOID:000000008154888

A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

1 : Fusible link

CAUTION:

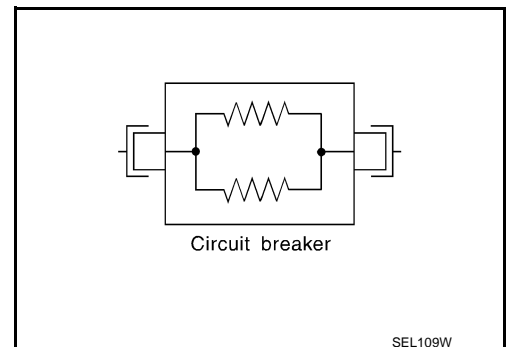
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.



Circuit Breaker

INFOID:000000008154889

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.



HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >






[POWER SUPPLY & GROUND CIRCUIT]

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000008154890

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

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HARNESS LAYOUT

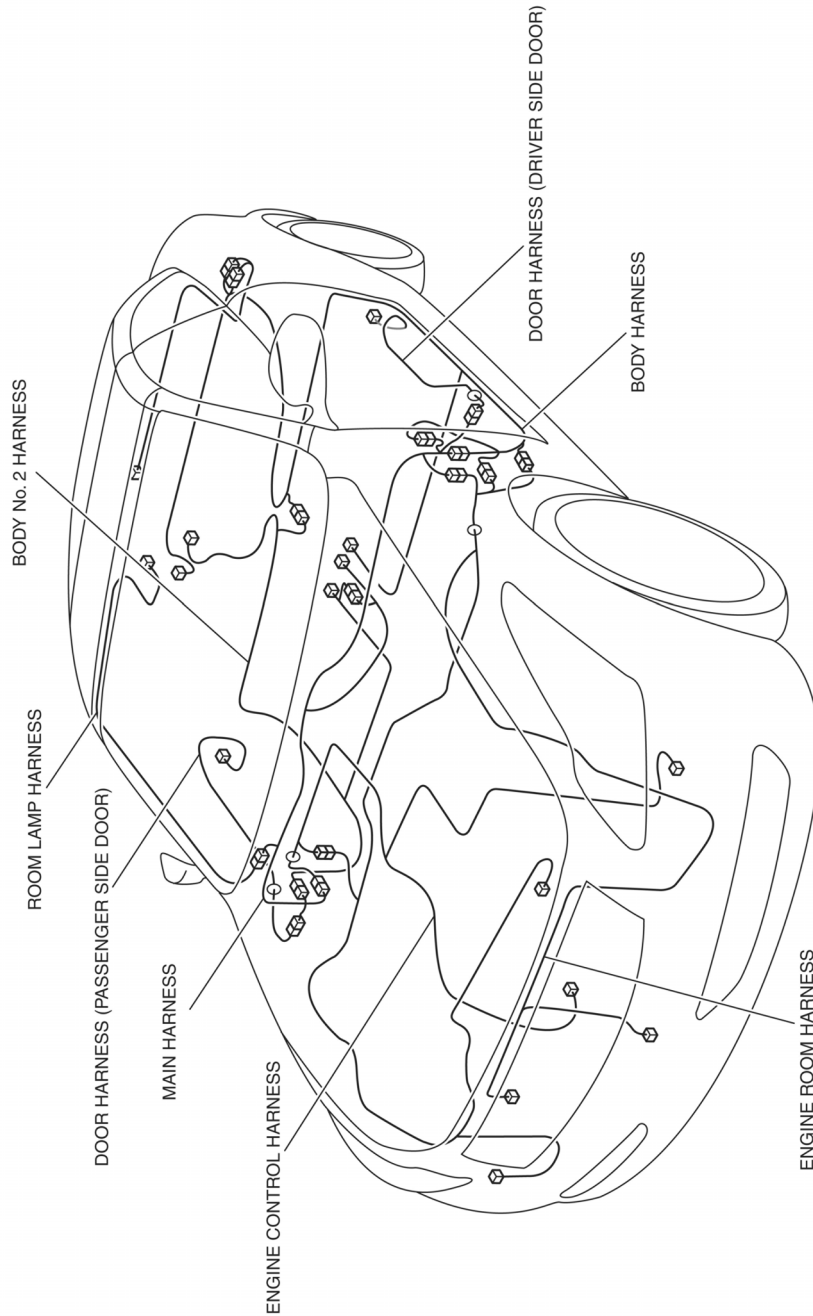
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Outline

INFOID:000000008769637

OUTLINE



2012/07/06

JRMIC1877GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

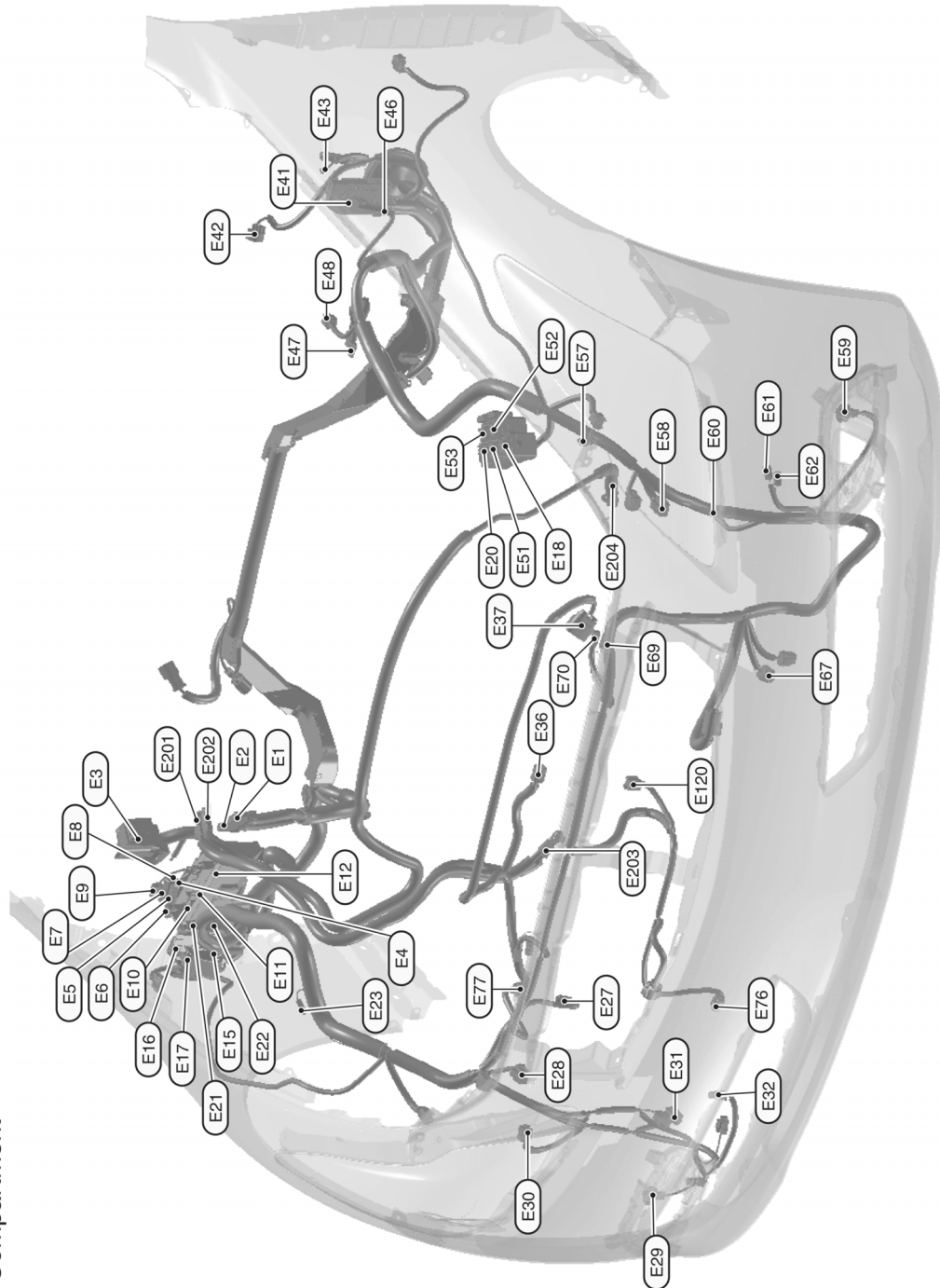
[POWER SUPPLY & GROUND CIRCUIT]

Engine Room Harness

INFOID:000000008154891

ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



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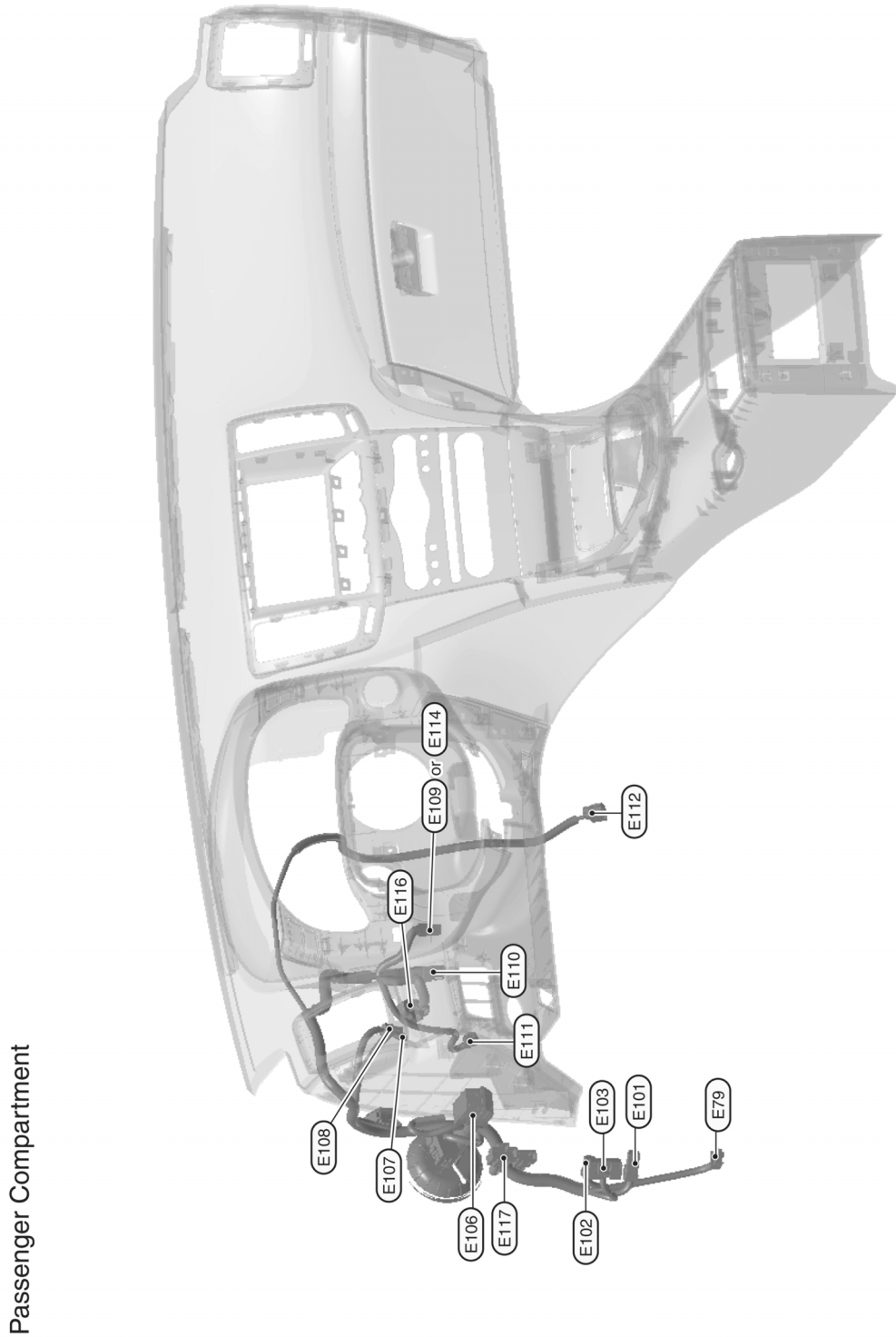
2012/07/06

JRMIC1880GB

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]



JRMIC1881GB

2012/07/06

HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

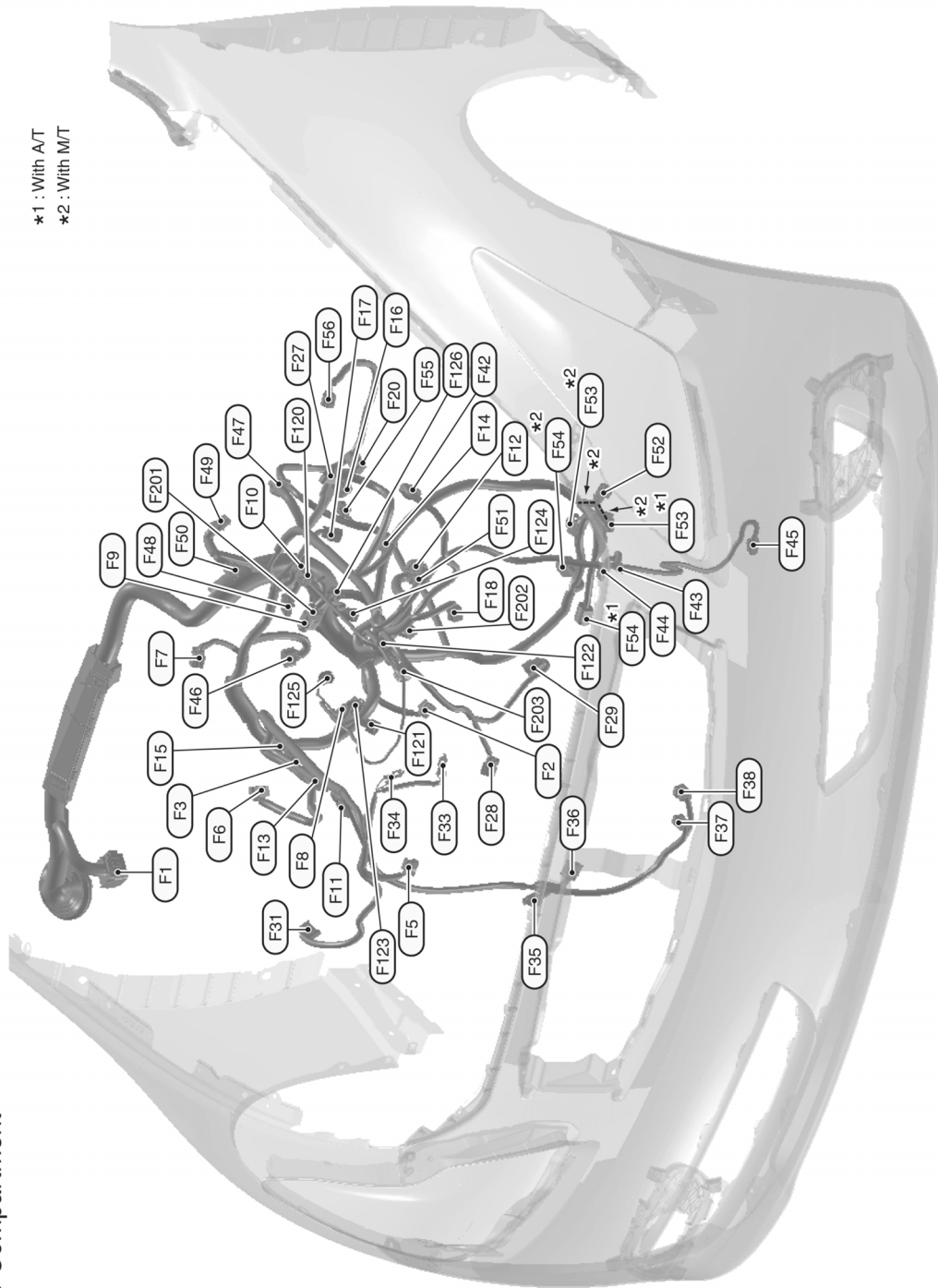
[POWER SUPPLY & GROUND CIRCUIT]

Engine Control Harness

INFOID:000000008154892

ENGINE COMPARTMENT

ENGINE CONTROL HARNESS /
Engine Compartment



*1 : With AT
*2 : With M/T

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2012/07/06

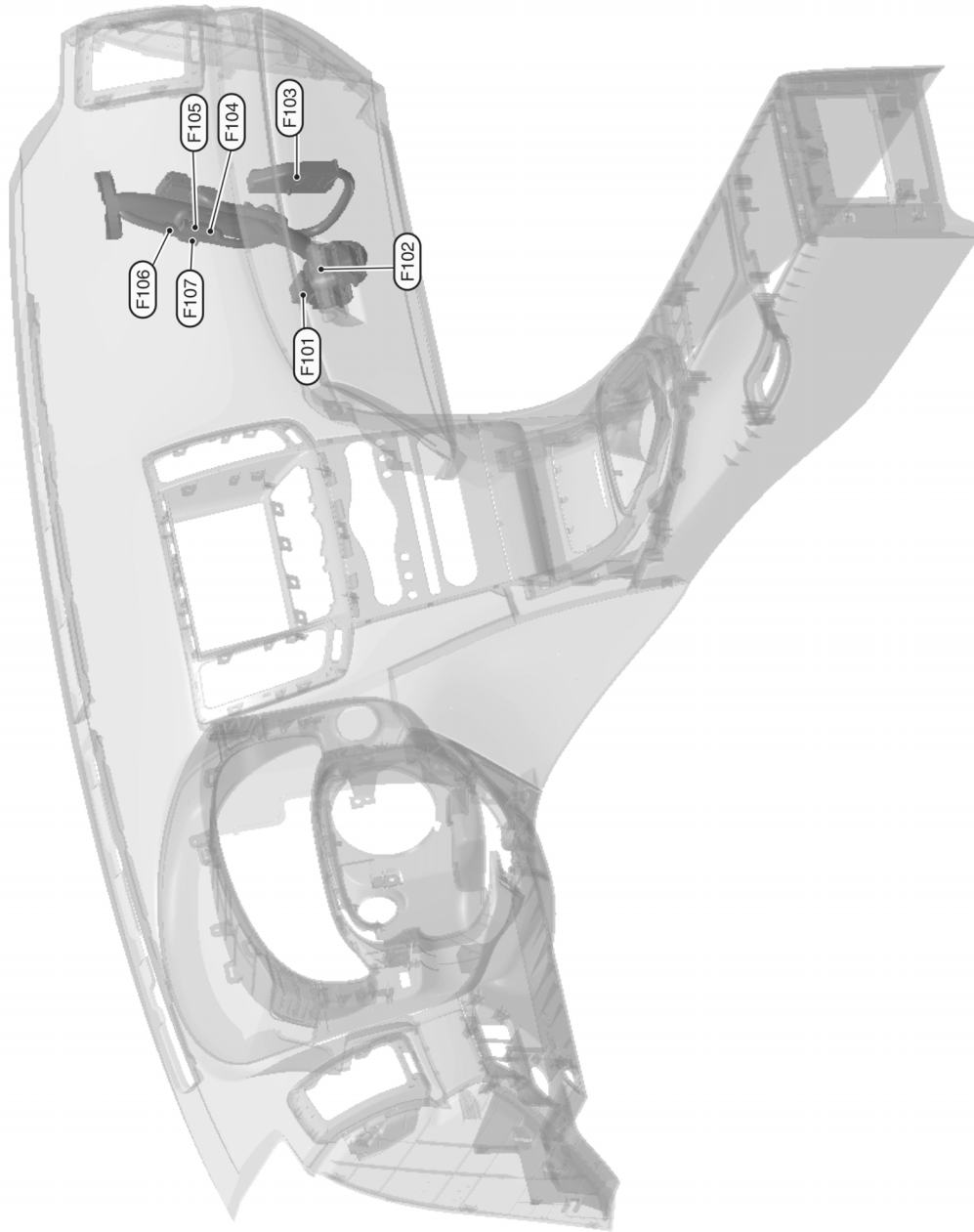
JRMIC1882GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2012/07/06

JRMIC1883GB

HARNES LAYOUT

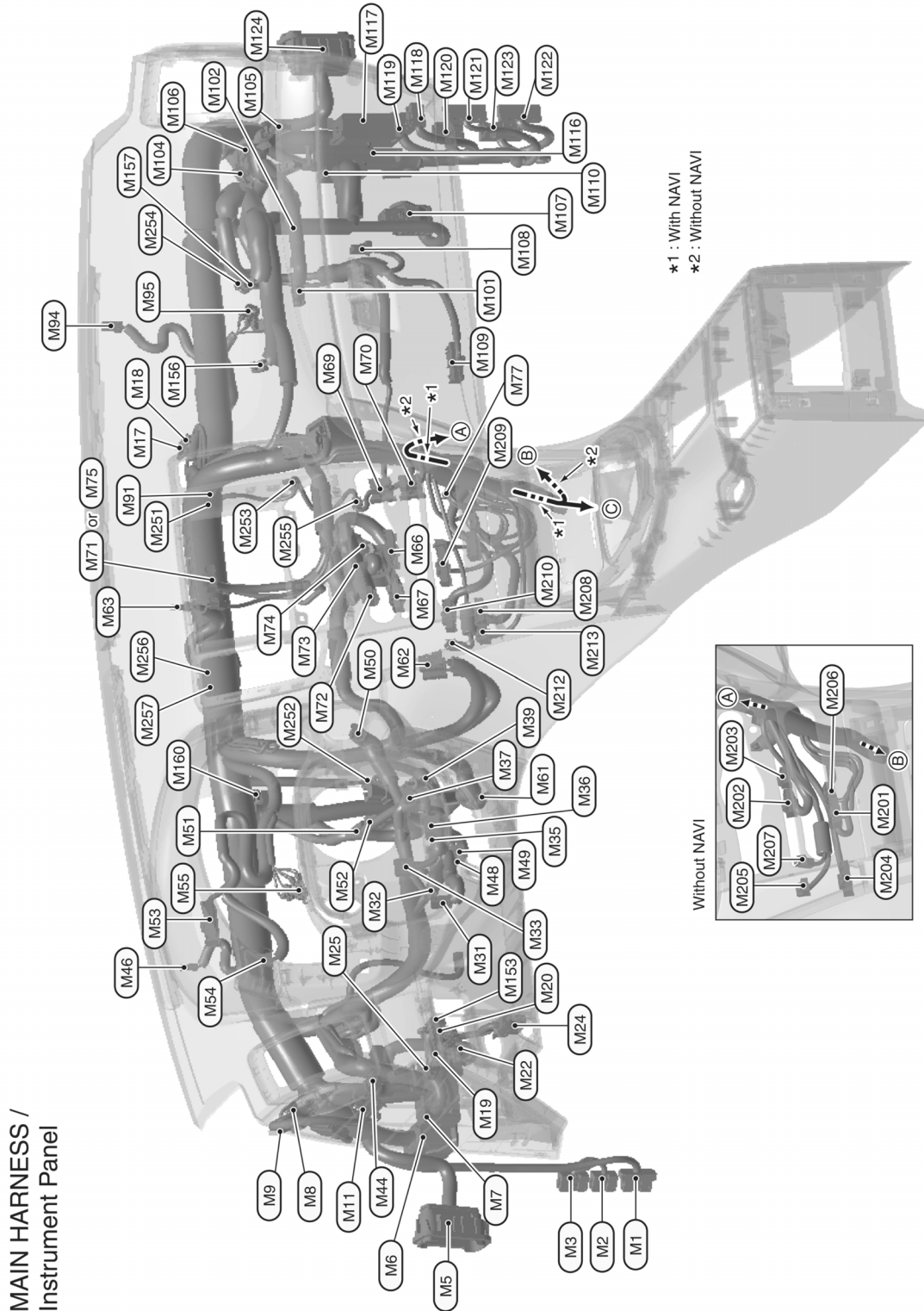
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Main Harness

INFOID:000000008154893

INSTRUMENT PANEL

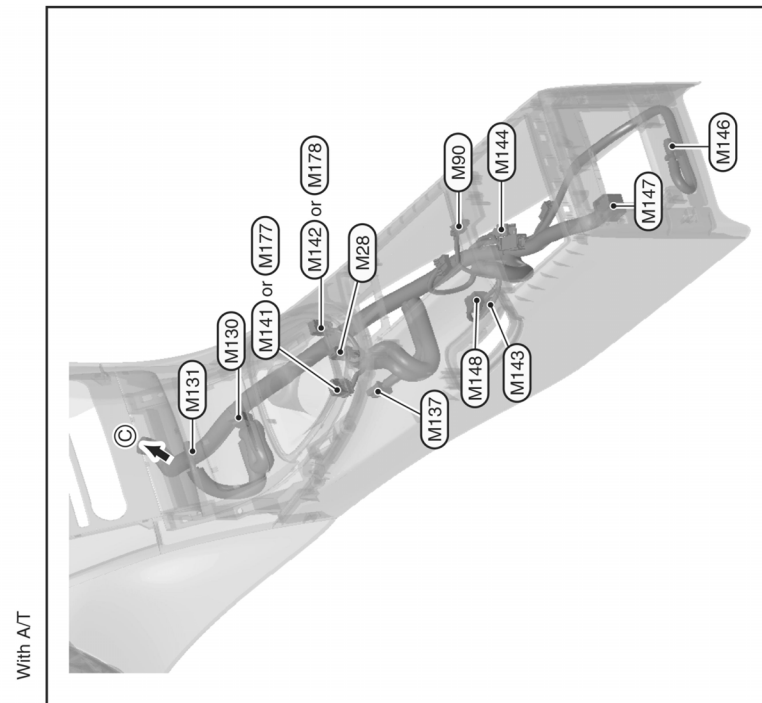
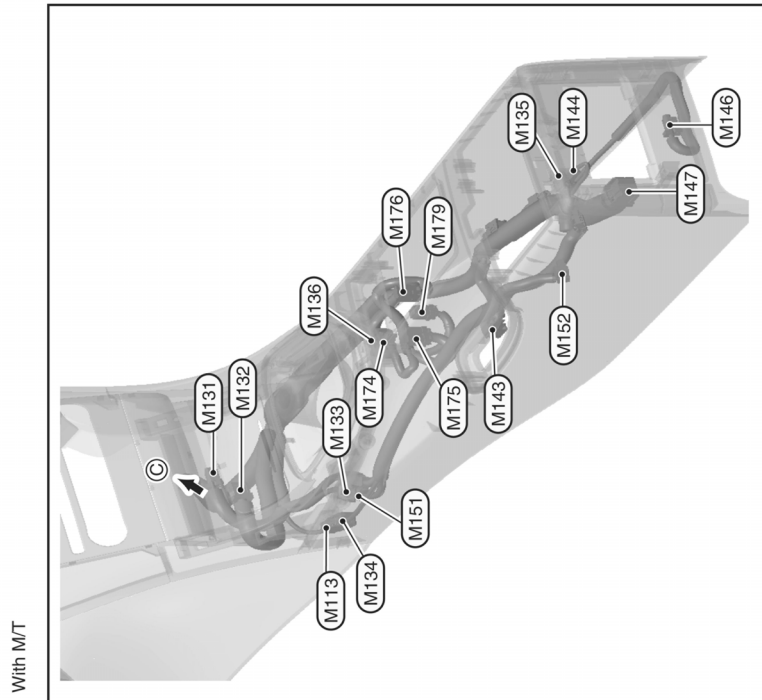


HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FLOOR CONSOLE



Floor Console

2012/07/06

JRMIC1879GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

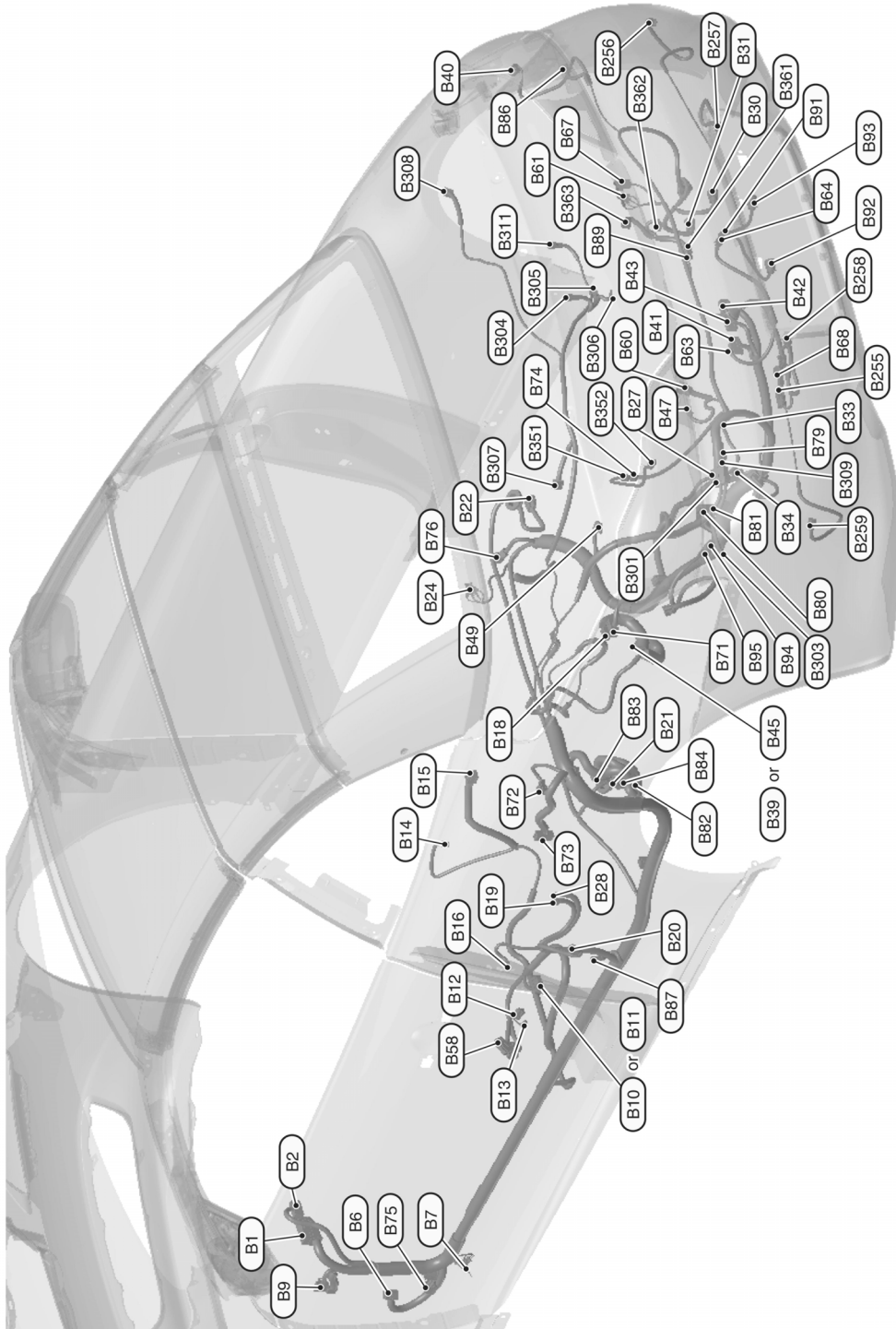
[POWER SUPPLY & GROUND CIRCUIT]

Body Harness

INFOID:000000008154894

BODY HARNESS

BODY HARNESS



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2012/07/06

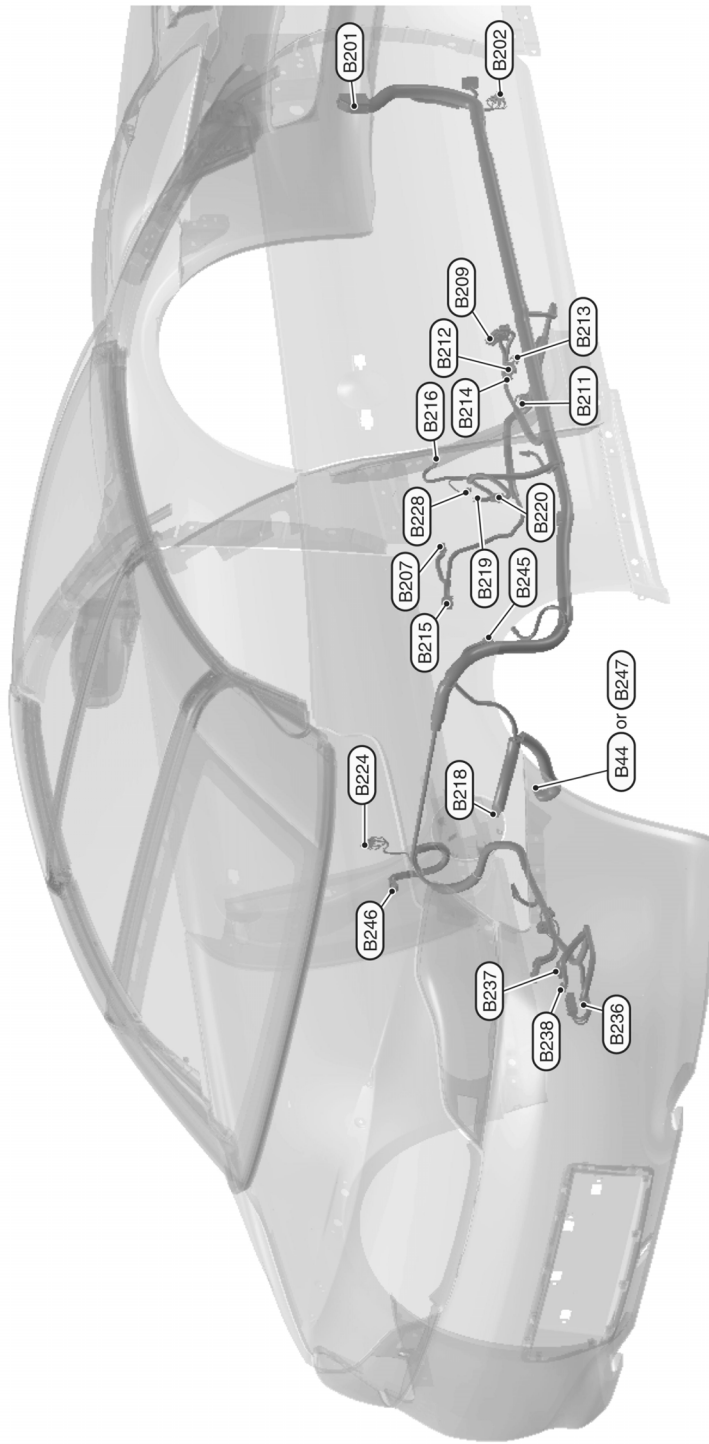
JRMIC1884GB

HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY No. 2 HARNES



BODY No. 2 HARNES

Door Harness

DOOR HARNES

2012/07/06

JRMIC1885GB

INFOID:000000008154895

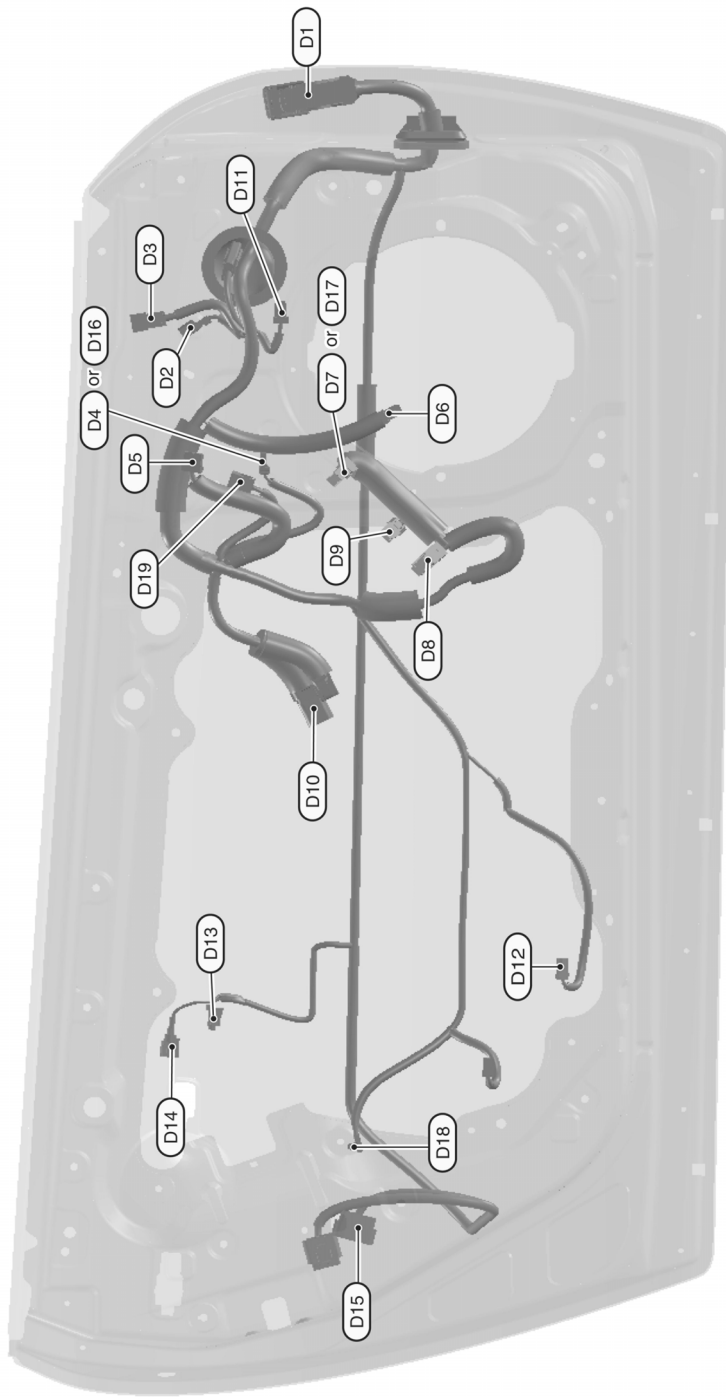
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Driver Side Door

DOOR HARNESS (DRIVER SIDE DOOR)



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2012/07/06

JRMIC1887GB

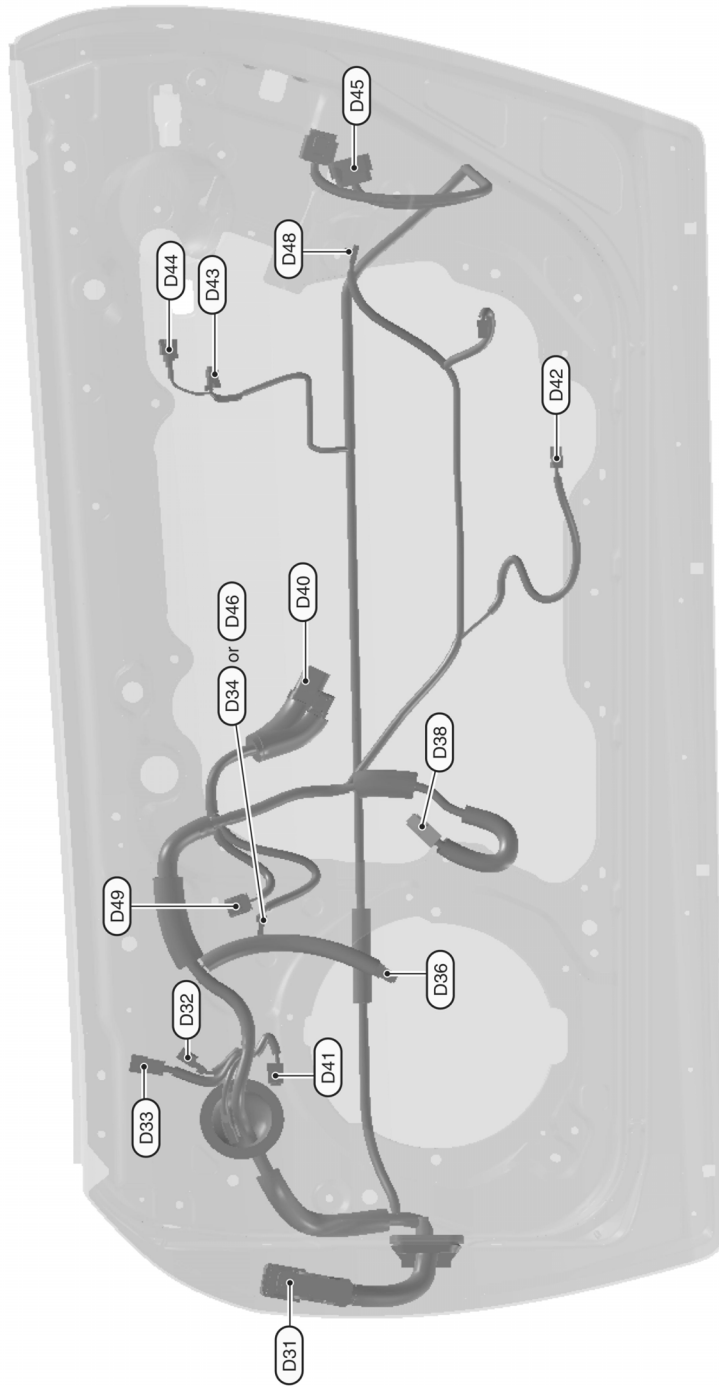
HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Side Door

DOOR HARNESS (PASSENGER SIDE DOOR)



JRMIC1888GB
2012/07/06

HARNES LAYOUT

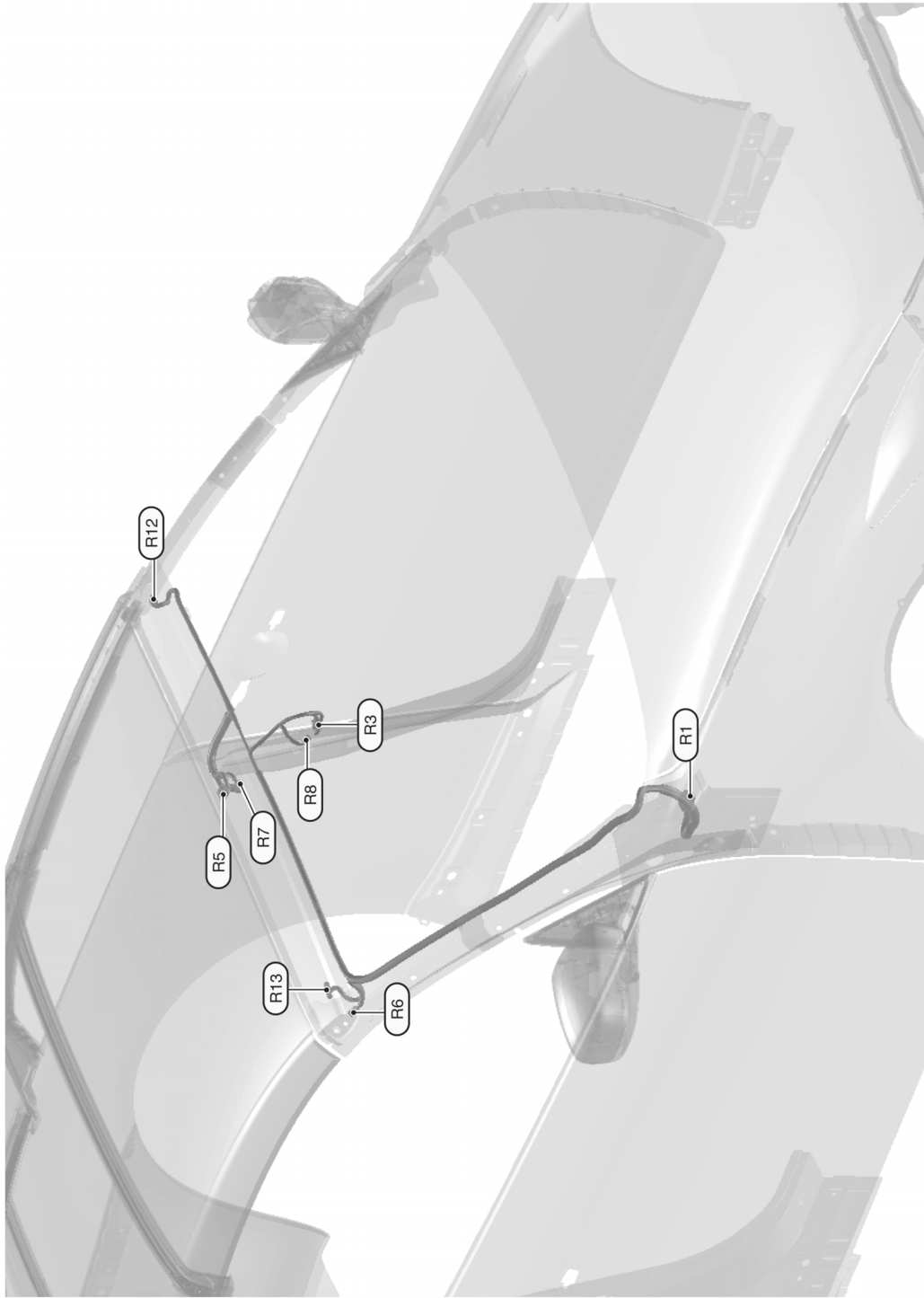
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Room Lamp Harness

INFOID:000000008154896

ROOM LAMP HARNESS



2012/07/06

JRMIC1886GB

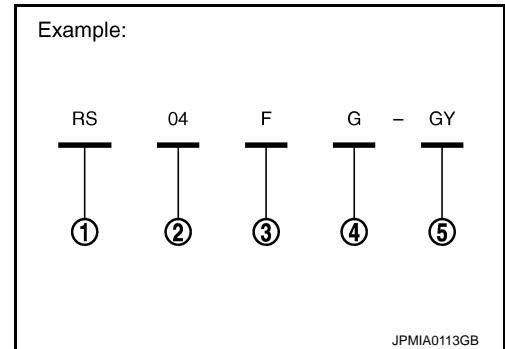
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CONNECTOR INFORMATION

How to Read Connector Type

INFOID:000000008154897

- 1 : Connector model
- 2 : Cavity
- 3 : Male (M) and female (F) terminals
- 4 : Connector color
- 5 : Special type



CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

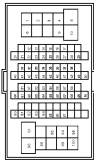
< DTC/CIRCUIT DIAGNOSIS >

B Body Harness

INFOID:000000008154898

BODY HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TR80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	R	-
4	V	-
5	W	-
6	B	-
9	G	-
10	BR	-
12	SHIELD	-
13	Y	-
14	L	-
15	R	-
16	W	-
17	BR	-
20	G	-
21	SB	-
22	GR	-
23	W	-
24	SB	-
25	BR	-
26	LG	-
27	Y	-
28	P	-
29	V	-
30	BR	-
31	SHIELD	-
32	G	-
33	R	-
34	CG	-
35	CG	-
36	BR	-
37	P	-
37	Y	- [With A/C seat]
38	Y	- [With heated seat]
38	OR	- [With heated seat]
38	V	- [With A/C seat]
40	SHIELD	-
41	L	-
42	P	-
43	J SHIELD	-

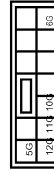
44	SB	-
45	V	-
46	W	-
47	SB	-
48	LG	-
49	LG	- [With BOSE system]
49	Y	- [Without BOSE system]
50	LG	- [Without BOSE system]
50	SB	- [With BOSE system]
51	SB	-
52	G	-
53	LG	-
54	BR	-
55	Y	-
56	W	-
57	V	-
58	R	-
60	R	-
61	EG	-
62	B	-
63	L	-
64	P	-
65	B	-
66	SB	-
67	P	-
68	L	-
69	P	-
70	L	-
80	G	-
81	V	-
82	R	-
83	BR	-
84	G	-
85	L	-
86	Y	-
87	GR	-
91	P	-
93	EG	-
94	P	-
95	GR	-
96	CG	-
97	SB	-
98	Y	-
100	Y/B	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	EG	-
6	P	-
7	B	-
11	LG	-
12	EG	-
13	GR	-
14	R	-
15	G	-
16	W	-

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6G	LG	-
6G	G	-
10G	G	-
11G	G	-
12G	Y	-

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	MB9FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	GR	-
4	LG	-
5	BR	-
6	EG	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	L	-
5	V	-
17	LG	-
18	P	-
21	Y	-
22	B	-
23	SB	-
46	BR	-
48	B	-
66	EG	-
66	L	-
67	GR	-




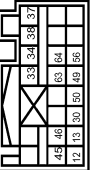
















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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No. B12 Connector Name SIDE AIR BAG MODULE LH Connector Type TR02FY-EX-IV	 	Terminal No. 1 Color of Wire Y Signal Name [Specification] -	Terminal No. 2 Color of Wire Y Signal Name [Specification] -
Connector No. B15 Connector Name AIR BAG DIAGNOSIS SENSOR UNIT Connector Type NH2ZFV-EX	 	Terminal No. 12 Color of Wire Y Signal Name [Specification] PH (+)	Terminal No. 13 Color of Wire Y Signal Name [Specification] PH (-)
Connector No. B16 Connector Name DRIVER SIDE DOOR SWITCH Connector Type A03FW	 	Terminal No. 2 Color of Wire SB Signal Name [Specification] -	Terminal No. 3 Color of Wire B Signal Name [Specification] -
Connector No. B17 Connector Name SEAT BELT BUCKLE SWITCH (DRIVER SIDE) Connector Type A03FW	 	Terminal No. 1 Color of Wire W Signal Name [Specification] -	Terminal No. 2 Color of Wire B Signal Name [Specification] -
Connector No. B14 Connector Name PARKING BRAKE SWITCH Connector Type F01FB-A	 	Terminal No. 1 Color of Wire V Signal Name [Specification] -	
Connector No. B18 Connector Name POP-UP ROLL BAR LH Connector Type TR02FY-EX-IV	 	Terminal No. 1 Color of Wire Y Signal Name [Specification] -	Terminal No. 2 Color of Wire Y/B Signal Name [Specification] -
Connector No. B19 Connector Name SEAT BELT PRE-TENSIONER LH Connector Type A0302FY	 	Terminal No. 1 Color of Wire Y Signal Name [Specification] -	Terminal No. 2 Color of Wire Y Signal Name [Specification] -
Connector No. B20 Connector Name SATELLITE SENSOR LH Connector Type HR02FY-IV-EX-L-C	 	Terminal No. 1 Color of Wire Y Signal Name [Specification] -	Terminal No. 2 Color of Wire Y Signal Name [Specification] -
Connector No. B21 Connector Name FUEL LEVEL SENSOR UNIT (SUB) Connector Type EG6FY-RS	 	Terminal No. 1 Color of Wire B Signal Name [Specification] -	Terminal No. 2 Color of Wire W Signal Name [Specification] -
Connector No. B22 Connector Name FUEL LEVEL SENSOR UNIT (AND FUEL PUMP MAIN) Connector Type EG6FY-RS	 	Terminal No. 1 Color of Wire L Signal Name [Specification] -	Terminal No. 2 Color of Wire W Signal Name [Specification] -
Terminal No. 3 Color of Wire B Signal Name [Specification] -	Terminal No. 4 Color of Wire R Signal Name [Specification] -	Terminal No. 5 Color of Wire SB Signal Name [Specification] -	

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	NS16MM-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	P	-
3	G	-
4	W	-
5	R	-
6	P	-
7	GR	-
10	LG	-
11	B	-
12	V	-
13	SB	-
14	L	-
15	L	-
16	V	-

Connector No.	B28
Connector Name	PRE-CRASH SEAT BELT MOTOR LH
Connector Type	TEB02FW-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B30
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR
Connector Type	EG02FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SB	-
3	G	-

Connector No.	B31
Connector Name	EVAP CHARACTER VENT CONTROL VALVE
Connector Type	EG02FB-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-

Connector No.	B33
Connector Name	REAR WHEEL SENSOR RH
Connector Type	ALZ02FE1



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	BR	-

Terminal No.	2	LG	-
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Connector No.	B34
Connector Name	REAR WHEEL SENSOR LH
Connector Type	PH02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	GR	-

Connector No.	B39
Connector Name	REAR SPEAKER LH
Connector Type	NS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	B40
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	MM02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	V	-

Connector No.	B42
Connector Name	BOSE AMP
Connector Type	SGALZFER-SJA2



Terminal No.	Color of Wire	Signal Name [Specification]
41	B	SOUND SIGNAL DOOR WOOFER LH (+)
42	W	SOUND SIGNAL DOOR WOOFER LH (-)
45	G	SOUND SIGNAL DOOR WOOFER RH (+)
46	R	SOUND SIGNAL DOOR WOOFER RH (-)
47	B	GROUND
49	P	SOUND SIGNAL REAR WOOFER LH (-)
50	Y	BATTERY
51	GR	BATTERY
52	B	GROUND
54	L	SOUND SIGNAL REAR WOOFER LH (+)

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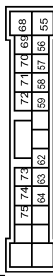
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B43
Connector Name	BOSE AMP.
Connector Type	SCAT9BR-SD44



Terminal No.	Color of Wire	Signal Name [Specification]
55	BG	SOUND SIGNAL REAR WOOFER RH (-)
56	W	SOUND SIGNAL PASSENGER HEADREST SPEAKER LH (+)
57	BG	SOUND SIGNAL CENTER (+)
58	P	SOUND SIGNAL CENTER (-)
59	L	SOUND SIGNAL FRONT LH (+)
62	V	SOUND SIGNAL FRONT RH (+)
63	G	SOUND SIGNAL DRIVER HEADREST SPEAKER LH (+)
64	W	SOUND SIGNAL DRIVER HEADREST SPEAKER RH (+)
68	LG	SOUND SIGNAL REAR WOOFER RH (-)
69	B	SOUND SIGNAL PASSENGER HEADREST SPEAKER LH (+)
70	G	SOUND SIGNAL PASSENGER HEADREST SPEAKER RH (+)
71	Y	SOUND SIGNAL DRIVER HEADREST SPEAKER LH (+)
72	W	SOUND SIGNAL FRONT LH (-)
73	LG	SOUND SIGNAL FRONT RH (-)
74	Y	SOUND SIGNAL DRIVER HEADREST SPEAKER LH (+)
75	B	SOUND SIGNAL DRIVER HEADREST SPEAKER RH (-)

Connector No.	B44
Connector Name	REAR SPEAKER RH
Connector Type	NS30ZFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	B45
Connector Name	REAR WOOFER LH
Connector Type	NS30ZFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	B47
Connector Name	TRUNK ROOM LAMP
Connector Type	C02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	R	-

Connector No.	B49
Connector Name	INSIDE KEY ANTENNA (TRUNK ROOM)
Connector Type	FR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	P	-

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS30BMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	B	-
4	LG	-
5	W	-
6	BG	-

Connector No.	B63
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	FR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	SB	-

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	FR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS30BMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
4	Y	-
6	BG	-

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	FR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	BR	-
5	Y	-
6	L	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B71
Connector Name	WIRE TO WIRE
Connector Type	NS18FBFR-CS



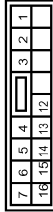
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	SB	-
4	GR	-
5	GR	-
6	BG	-
7	R	-
8	Y	-
10	LG	-
12	P	-
14	W	-
16	BR	-

Connector No.	B72
Connector Name	WIRE TO WIRE
Connector Type	NS302MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-

Connector No.	B73
Connector Name	WIRE TO WIRE
Connector Type	NS18FDY-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	BG	-
4	Y	-
5	R	-
6	P	-
7	B	-
8	B	-
12	B	-
13	B	-
14	BR	-
15	W	-
16	GR	-

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	TH10AMW-NH



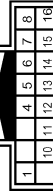
Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	L	-

Connector No.	B75
Connector Name	WIRE TO WIRE
Connector Type	MD2MW-LC



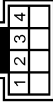
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	Y	-

Connector No.	B76
Connector Name	WIRE TO WIRE
Connector Type	TH10AMW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
4	LG	-
5	SB	-
6	SHIELD	-
7	B	-
8	W	-
10	SHIELD	-
11	B	-
12	B	-
13	R	-
14	SHIELD	-
15	C	-
16	Y	-

Connector No.	B79
Connector Name	WIRE TO WIRE
Connector Type	TH10AMW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	SHIELD	-

Connector No.	B80
Connector Name	HYDRAULIC UNIT
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	VALVE1
2	L	COMBINED GND FOR VALVES
3	BR	COMBINED GND FOR RELAYS
4	Y	RELAY FILL(P/W2-CLOSE ROOF)
5	W	RELAY FUSH(P/M1-OPEN ROOF)
6	R	FD UP OUT 2
9	SB	VALVE2
10	LG	HALL TRIMKLD OPEN GND
11	BG	HALLSENSOR POSITIVE SUPPLY +12V
12	V	FD UP OUT 1
13	GR	FD DOWN OUT 1
14	G	FD UP SIGNAL FROM PCU
15	B	FD DOWN SIGNAL FROM PCU
16	BG	COM GND FOR RELAYS SIDE FLAP MOT
17	P	FD DOWN OUT 2
18	BR	PUMP EHA

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CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

BODY HARNESS

Connector No.	B81
Connector Name	HYDRAULIC UNIT
Connector Type	LOFFB-NIC



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	PUMP-UB-H-IN/PUMP-MOTOR-POS/VOLTAGE
8	B	HYDRO-GND/PUMP-MOTOR-GND

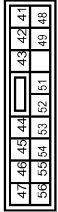
Connector No.	B82
Connector Name	RETRACTABLE HARD TOP CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	ROOF OPEN / CLOSE SWITCH (OPEN)
2	BR	ROOF OPEN / CLOSE SWITCH (CLOSE)
3	B	FLIPPER DOOR LIMIT SWITCH GND
4	L	TONNEAU BOARD SWITCH
5	SB	TRUNK ROOM LAMP SWITCH
6	L	ROOF LATCH LIMIT SWITCH
7	W	FLIPPER DOOR LIMIT SWITCH (UP)
8	G	FLIPPER DOOR LIMIT SWITCH (DOWN)
11	W	RE-ARMED AOC POWER
12	Y	REVERSE SERIAL
13	BG	PARCEL SHELF STATUS SENSOR POWER SUPPLY
14	P	TRUNK LINK SENSOR SIGNAL (LH)
15	SB	TRUNK LINK SENSOR SIGNAL (RH)
16	GR	ROOF LATCH STATUS SENSOR SIGNAL
17	G	ROOF LATCH LOCK SENSOR SIGNAL
18	L	TRUNK STATUS SENSOR SIGNAL
22	V	ROOF STATUS SENSOR POWER SUPPLY
23	B	ROOF STATUS SENSOR GND
24	GR	PARCEL SHELF STATUS SENSOR SIGNAL (DRN)
25	R	PARCEL SHELF STATUS SENSOR SIGNAL (ROTATION)

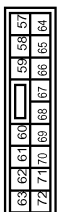
26	P	ROOF STATUS SENSOR SIGNAL
27	Y	TRUNK LID OPEN REQUEST SIGNAL
28	BG	FLIPPER DOOR RELAY GND
29	V	LOCAL COMMUNICATION (BCM)
30	GR	LOCAL COMMUNICATION (POWER WINDOW)
31	L	CAN-H
32	P	CAN-L
33	V	ROOF STATUS SIGNAL (AUDIO)
35	B	ROOF WARNING BUZZER
36	Y	HYDRAULIC MOTOR RELAY GND (RH)
37	W	HYDRAULIC MOTOR RELAY GND (LH)
38	BR	HYDRAULIC MOTOR RELAY POWER SUPPLY

Connector No.	B83
Connector Name	RETRACTABLE HARD TOP CONTROL UNIT
Connector Type	NS16FR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
41	SB	PARCEL SHELF MOTOR RELAY GND (UP)
42	W	PARCEL SHELF MOTOR RELAY GND (DOWN)
43	BR	HYDRAULIC PUMP POWER SUPPLY RELAY
44	R	MOTOR PARCEL SHELF (HORIZONTAL)
45	BR	MOTOR PARCEL SHELF (VERTICAL)
46	G	FLIPPER DOOR RELAY POWER SUPPLY (UP)
47	L	FLIPPER DOOR RELAY POWER SUPPLY (DOWN)
48	R	ROOF LATCH MOTOR (OPEN)
49	Y	ROOF LATCH MOTOR (CLOSE)
51	SB	TRUNK OPENER ACTUATOR
52	V	TRUNK OPENER ACTUATOR GND
53	BG	REAR POWER WINDOW MOTOR LH (UP)
54	LG	REAR POWER WINDOW MOTOR LH (DOWN)
55	GR	REAR POWER WINDOW MOTOR RH (UP)
56	P	REAR POWER WINDOW MOTOR RH (DOWN)

Connector No.	B84
Connector Name	RETRACTABLE HARD TOP CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
57	Y	RHT-BAT ++
58	Y	RHT-BAT ++
59	Y	RHT-BAT ++
60	B	RHT-BAT ++
61	B	RHT-BAT GND
62	GR	BAT WIN
63	Y	BAT WIN
64	B	WIN GND
65	B	WIN GND
66	P	VALVE1
67	SB	VALVE2
68	L	COMBINED GND FOR VALVES
69	G	REAR WINDOW DEFROSTER IN1
70	P	REAR WINDOW DEFROSTER IN1
71	BR	REAR WINDOW DEFROSTER OUT1
72	W	REAR WINDOW DEFROSTER OUT2

Connector No.	B86
Connector Name	TRUNK LINK SENSOR RH
Connector Type	TH04FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	BG	

Connector No.	B87
Connector Name	ROOF WARNING BUZZER
Connector Type	PK02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	B	

Connector No.	B89
Connector Name	WIRE TO WIRE
Connector Type	NS03MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	
4	SB	
5	B	
6	Y	

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B31
Connector Name	WIRE TO WIRE
Connector Type	FR02MGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B32
Connector Name	LICENSE PLATE LAMP LH
Connector Type	FR02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B33
Connector Name	LICENSE PLATE LAMP RH
Connector Type	FR02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B34
Connector Name	WIRE TO WIRE
Connector Type	MD1MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	B35
Connector Name	WIRE TO WIRE
Connector Type	MD1FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	B	-
5	W	-
6	R	-

7	B	- [With A/C seat]
7	G	- [With heated seat]
8	BG	-
9	GR	-
10	LG	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
44	SHIELD	-
45	G	-
47	G	-
48	Y	-
49	SHIELD	-
50	P	-
51	SB	-
52	LG	-
53	L	-
54	G	-
55	GR	-
56	LG	-
57	G	-
58	R	-
68	P	-
80	G	-
81	R	-
82	W	-
83	B	-
84	SHIELD	-
85	O	-
86	BR	-
87	Y	-
88	SHIELD	-
89	SB	-
90	V	-
91	GR	-
92	P	- [With BOSE system]
93	W	- [Without BOSE system]
94	B2	-
95	V	-
96	P	-
97	L	- [With BOSE system]
98	LG	- [Without BOSE system]
99	Y	-

Connector No.	B207
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	SHIELD	-

Connector No.	B212
Connector Name	SIDE AIR BAG MODULE RH
Connector Type	TH02FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

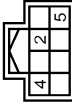
BODY HARNESS

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	T108FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GROUND

Connector No.	B215
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	N122FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
10	Y	PRH (+)

Terminal No.	Color of Wire	Signal Name [Specification]
11	Y	PRH (-)
26	V	ODS INPUT
29	LG	RH BUCKLE SW INPUT
31	Y	SRH (+)
32	Y	SRH (-)
35	Y/B	GRH (+)
36	Y	GRH (-)
43	Y	INF RB RH+
44	Y/B	INF RB RH-
47	G	SATELLITE RH (+)
48	R	SATELLITE RH (-)
55	SHIELD	GROUND
61	Y	-
62	Y/B	-

Connector No.	B216
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	-
3	B	-

Connector No.	B218
Connector Name	POP-UP ROLL BAR RH
Connector Type	T102FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y/B	-

Connector No.	B219
Connector Name	SEAT BELT PRE-TENSIONER RH
Connector Type	A0302FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B220
Connector Name	SATELLITE SENSOR RH
Connector Type	H102FY-1V-EX-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	B228
Connector Name	PRE-GRASH SEAT BELT MOTOR RH
Connector Type	T1020FW-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	B238
Connector Name	SATELLITE RADIO TUNER
Connector Type	A10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	Y	REQUEST (SAT-CONT)
9	O	COMM (SAT-CONT)
10	BR	COMM (CONT-SAT)
12	SB	BATTERY
15	B	GROUND
16	V	ACC

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

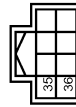
BODY HARNESS

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH43FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	B	GROUND
5	SHIELD	SHIELD
7	R	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
14	B	GROUND
16	P	ROOF STATUS SIGNAL (AUDIO)
21	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	P	VEHICLE SPEED (8-PULSE)
29	G	MICROPHONE VCC

Connector No.	B238
Connector Name	TEL ADAPTER UNIT
Connector Type	TH48FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
35	L	AV COMM (R)
36	P	AV COMM (L)

Connector No.	B245
Connector Name	WIRE TO WIRE
Connector Type	NS2ZMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-

Connector No.	B246
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
4	P	-
5	L	-
6	SHIELD	-
7	B	-
8	W	-
10	SHIELD	-
11	B	-
12	W	-
13	R	-
14	SHIELD	-
15	G	-
16	Y	-

Connector No.	B247
Connector Name	REAR WOOFER RH
Connector Type	NS2ZFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	B255
Connector Name	WIRE TO WIRE
Connector Type	PROBIMGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
5	Y	-
6	G	-

Connector No.	B256
Connector Name	CORNER SENSOR REAR RH
Connector Type	YDX02FE



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	-

Connector No.	B257
Connector Name	CENTER SENSOR REAR RH
Connector Type	YDX02FE



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	Y	-

Connector No.	B258
Connector Name	CENTER SENSOR REAR LH
Connector Type	YDX02FE



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



BODY HARNESS

Connector No.	B29
Connector Name	CORNER SENSOR REAR LH
Connector Type	YD02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	Y	-

Connector No.	B30
Connector Name	WIRE TO WIRE
Connector Type	NS1DFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	G	-
4	W	-
5	Y	-
6	P	-
7	P	-
10	LG	-
11	B	-
12	B	-
13	V	-
14	BR	-
15	L	-
16	Y	-

Connector No.	B33
Connector Name	TRUNK LINK SENSOR LH
Connector Type	TR04FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	R	-

Connector No.	B34
Connector Name	REAR MOUNTED STOP LAMP (ON THE REAR PANEL SHIELD)
Connector Type	TR02MR-P



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B35
Connector Name	TRUNK LID OPENER ACTUATOR
Connector Type	M02FB-LG



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	V-
		V+

Connector No.	B36
Connector Name	TRUNK ROOM LAMP SWITCH
Connector Type	AG2FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SIG-
2	L	SIG+

Connector No.	B37
Connector Name	FLIPPER DOOR (LH)
Connector Type	NS06FB-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SWITCH FD UP 1
2	W	SWITCH FD DOWN 1
3	Y	SWITCH FD DOWN 1
4	G	SWITCH FD DOWN 1
5	BR	MOTOR FD UP
6	L	MOTOR FD DOWN

Connector No.	B38
Connector Name	FLIPPER DOOR (RH)
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SWITCH FD UP 1
2	Y	SWITCH FD DOWN 1
3	B	SWITCH FD GND COMBINED
5	BR	MOTOR FD UP
6	L	MOTOR FD DOWN

Connector No.	B39
Connector Name	WIRE TO WIRE
Connector Type	TR08FW-NH




Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	Y	-
4	SHIELD	-

Connector No.	B311
Connector Name	REAR VIEW CAMERA
Connector Type	TR04MW-NH










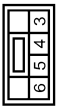
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	CAMERA POWER SUPPLY
2	W	CAMERA GND
3	Y	CAMERA IMAGE SIGNAL
4	SHIELD	SHIELD

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B581	Connector No.	B584	Connector No.	B582	Connector No.	B583	Connector No.	B581
Connector Name	TRUNK CLOSURE CONTROL UNIT	Connector Name	TRUNK CLOSURE CONTROL UNIT	Connector Name	STRIKER SWITCH	Connector Name	TRUNK CLOSURE CONTROL UNIT	Connector Name	WIRE TO WIRE
Connector Type	NS04FW-CS	Connector Type	NS02FW-CS	Connector Type	RV02ZFOY	Connector Type	NS04FW-CS	Connector Type	NS06FW-CS
									
Terminal No.	5	Terminal No.	5	Terminal No.	1	Terminal No.	1	Terminal No.	3
Color of Wire	B	Color of Wire	B	Color of Wire	B	Color of Wire	P	Color of Wire	G
Signal Name [Specification]	---	Signal Name [Specification]	CLOSURE MOTOR GND	Signal Name [Specification]	SIG-	Signal Name [Specification]	TRUNK ROOM LAMP SW SIG	Signal Name [Specification]	---
Terminal No.	6	Terminal No.	6	Terminal No.	2	Terminal No.	2	Terminal No.	4
Color of Wire	Y	Color of Wire	BR	Color of Wire	GR	Color of Wire	Y	Color of Wire	B
Signal Name [Specification]	---	Signal Name [Specification]	CLOSURE MOTOR POWER	Signal Name [Specification]	SIG+	Signal Name [Specification]	POWER	Signal Name [Specification]	---
Terminal No.	---	Terminal No.	---	Terminal No.	---	Terminal No.	3	Terminal No.	3
Color of Wire	---	Color of Wire	---	Color of Wire	---	Color of Wire	GR	Color of Wire	B
Signal Name [Specification]	---	Signal Name [Specification]	---	Signal Name [Specification]	---	Signal Name [Specification]	STRIKER SW SIG	Signal Name [Specification]	---
Terminal No.	---	Terminal No.	---	Terminal No.	---	Terminal No.	4	Terminal No.	4
Color of Wire	---	Color of Wire	---	Color of Wire	---	Color of Wire	B	Color of Wire	P
Signal Name [Specification]	---	Signal Name [Specification]	---	Signal Name [Specification]	---	Signal Name [Specification]	GROUND	Signal Name [Specification]	---
Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1
Color of Wire	---	Color of Wire	---	Color of Wire	---	Color of Wire	P	Color of Wire	B
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Color of Wire	TRUNK ROOM LAMP SW SIG	Color of Wire	B
Terminal No.	2	Terminal No.	2	Terminal No.	2	Terminal No.	2	Terminal No.	2
Color of Wire	---	Terminal No.	33	Color of Wire	---	Terminal No.	3	Color of Wire	B
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	4	Color of Wire	P
Terminal No.	---	Terminal No.	34	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	SHIELD	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	1	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	2	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	1	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Terminal No.	2	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Color of Wire	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---
Signal Name [Specification]	---	Color of Wire	---	Color of Wire	---	Terminal No.	---	Color of Wire	---

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B477
Connector Name	ANTENNA BASE
Connector Type	GT13SSN-1-IPP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	ANTENNA AMP. ON SIGNAL
2	-	AM-FM MAIN

Connector No.	B482
Connector Name	SATELLITE RADIO TUNER
Connector Type	FAKFA



Terminal No.	Color of Wire	Signal Name [Specification]
33	-	SATELLITE ANTENNA
34	SHIELD	SHIELD

Connector No.	B483
Connector Name	ANTENNA BASE
Connector Type	GT16C-1PP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
3	-	-
4	SHIELD	-

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	R/Y	-
5	L	-
19	V	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-
67	W	-

Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
5	L	-
17	Y/R	-
19	V	-
21	L/Y	-
32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-

Connector No.	B503
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH432FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	RX
3	R/Y	CAN-H
4	O/B	SLIDING LIMIT SW
5	L	BUCKLE SW
8	L/Y	P RANGE SW
9	W/G	PULSE (RECLINING)
10	P/B	PULSE (RR LIFTING)
11	BR	SLIDING SW (BACKWARD)
12	SB	RECLINING SW (BACKWARD)
13	LG/R	FRONT LIFTING SW (DOWNWARD)
14	G/B	REAR LIFTING SW (DOWNWARD)
16	O	VCC
17	Y/R	TX
19	V	CAN-L
21	L/Y	P RANGE SW
24	R	PULSE (SLIDING)
25	Y/B	PULSE (FR LIFTING)
26	Y	SLIDING SW (FORWARD)
27	R/G	RECLINING SW (FORWARD)
28	W/B	FRONT LIFTING SW (UPWARD)
29	P/L	REAR LIFTING SW (UPWARD)
30	P	POWER WALK-IN SW
31	GR	SENSOR GND
32	B/W	GND (SIGNAL)

Connector No.	B504
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (G/B)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD)
38	L/Y	REAR LIFTING MOTOR (UPWARD)
39	R/B	REAR LIFTING MOTOR (BACKWARD)
40	R/W	BAT (FUSE)
41	Y/G	FORWARD SW
42	W	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B505
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS94FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	-
48	B	-
57	W	-
58	L	-

CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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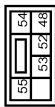
BODY HARNESS

Connector No.	B506
Connector Name	LUMBAR SUPPORT MOTOR
Connector Type	CS2FW



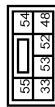
Terminal No.	Color of Wire	Signal Name [Specification]
57	W	-
58	L	-

Connector No.	B508
Connector Name	SIDE SUPPORT SWITCH
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
48	B	-
52	G	-
53	B/R	-
54	V/W	-
55	R/L	-

Connector No.	B509
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	-
48	B	-
52	G	-
53	B/R	-
54	V/W	-
55	R/L	-

Connector No.	B510
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
12	SB	-
13	LG/R	-
14	G/B	-
26	Y	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B511
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
12	SB	-
13	LG/R	-
14	G/B	-

Terminal No.	Color of Wire	Signal Name [Specification]
14	G/B	-
26	Y	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B512
Connector Name	FORWARD SWITCH (DRIVER SIDE)
Connector Type	SS2FW



Terminal No.	Color of Wire	Signal Name [Specification]
32	B/W	-
41	Y/G	-

Connector No.	B513
Connector Name	POWER WALK-IN SWITCH (DRIVER SIDE)
Connector Type	TK02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
30	P	-
32	B/W	-

Connector No.	B514
Connector Name	SLIDING LIMIT SWITCH (DRIVER SIDE)
Connector Type	TK02MFR-P



Terminal No.	Color of Wire	Signal Name [Specification]
4	O/B	-
32	B/W	-

Connector No.	B517
Connector Name	SEAT CUSHION HEATER (DRIVER SIDE)
Connector Type	SM4W



Terminal No.	Color of Wire	Signal Name [Specification]
48	B	-
66	B	- [With side support]
66	B/Y	- [Without side support]
68	R/W	-
69	R	-

















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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B518	Connector No.	B524	Connector No.	B529	Connector No.	B530
Connector Name	HEATED SEAT CONTROL UNIT (DRIVER SIDE)	Connector Name	RECLINING MOTOR (DRIVER SIDE)	Connector Name	LIFTING MOTOR (REAR) (DRIVER SIDE)	Connector Name	LIFTING MOTOR (REAR) (DRIVER SIDE)
Connector Type	174923-1	Connector Type	NS02FW-CS	Connector Type	NS08FFB-CS	Connector Type	NS02FW-CS
							
Terminal No.	48	Terminal No.	38	Terminal No.	10	Terminal No.	10
Color of Wire	B	Color of Wire	G/Y	Color of Wire	P/B	Color of Wire	P/B
Signal Name [Specification]	GROUND	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-
60	Y	44	P	16	O	16	O
66	B/Y	38	G/Y	31	GR	31	GR
66	B	42	W	38	L/Y	38	L/Y
67	W	44	P	39	R/B	39	R/B
68	R/W	42	W				
69	R	44	P				
Connector No.	B523	Connector No.	B526	Connector No.	B528	Connector No.	B530
Connector Name	RECLINING MOTOR (DRIVER SIDE)	Connector Name	SLIDING SENSOR (DRIVER SIDE)	Connector Name	LIFTING MOTOR (FRONT) (DRIVER SIDE)	Connector Name	LIFTING MOTOR (FRONT) (DRIVER SIDE)
Connector Type	NS06FW-CS	Connector Type	6098-0241	Connector Type	NS02FW-CS	Connector Type	NS02FW-CS
							
Terminal No.	9	Terminal No.	16	Terminal No.	16	Terminal No.	16
Color of Wire	W/G	Color of Wire	O	Color of Wire	O	Color of Wire	O
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-
16	O	35	W/R	25	Y/B	25	Y/B
31	GR	42	W	31	GR	31	GR
38	G/Y	44	P	37	G/W	37	G/W
44	P	44	P	45	L/R	45	L/R
Terminal No.	16	Terminal No.	24	Terminal No.	46	Terminal No.	46
Color of Wire	O	Color of Wire	R	Color of Wire	L/R	Color of Wire	L/R
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B541
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B542
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B551
Connector Name	WIRE TO WIRE
Connector Type	NS12MM-LC



Terminal No.	Color of Wire	Signal Name [Specification]
5	L	-
8	LG	-

32	B/W	-
33	R	-
40	R/W	-
48	B	-
60	Y	-
66	B	-
67	W	-

Connector No.	B552
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	TH32FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	O/B	SLIDING LIMIT SW
5	L	BUCKLE SW
8	LG	DOOR SW
11	BR	SLIDING SW (BACKWARD)
12	SB	RECLINING SW (BACKWARD)
13	LG/R	FRONT LIFTING SW (DOWNWARD)
14	G/B	REAR LIFTING SW (DOWNWARD)
16	O	POWER SUPPLY FOR SENSOR
24	R	SLIDE PULSE
26	Y	SLIDING SW (FORWARD)
27	R/G	RECLINING SW (FORWARD)
28	W/B	FRONT LIFTING SW (UPWARD)
29	P/L	REAR LIFTING SW (UPWARD)
30	P	POWER WALK-IN SW
31	GR	GND FOR SENSOR
32	B/W	GND (SENSOR)

Connector No.	B553
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (C/B)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD) (Without climate controlled seat)
36	W/L	RECLINING MOTOR (FORWARD) (With climate controlled seat)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD) (Without climate controlled seat)
37	LG/R	FRONT LIFTING MOTOR (DOWNWARD) (With climate controlled seat)
38	P/L	REAR LIFTING MOTOR (UPWARD) (Without climate controlled seat)
38	L/Y	REAR LIFTING MOTOR (UPWARD) (With climate controlled seat)
39	G/B	REAR LIFTING MOTOR (DOWNWARD) (Without climate controlled seat)
39	R/B	REAR LIFTING MOTOR (DOWNWARD) (With climate controlled seat)
40	R/W	BAT (FUSE)
41	Y/G	FORWARD SW
42	W	SLIDING MOTOR (BACKWARD)
44	L	RECLINING MOTOR (BACKWARD) (Without climate controlled seat)
44	P	RECLINING MOTOR (BACKWARD) (With climate controlled seat)
45	W/B	FRONT LIFTING MOTOR (UPWARD) (Without climate controlled seat)
45	L/R	FRONT LIFTING MOTOR (UPWARD) (With climate controlled seat)
46	B	GND (POWER)

Connector No.	B554
Connector Name	POWER SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
12	SB	-
13	LG/R	-
14	G/B	-
22	W/G	-

23	O/L	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B556
Connector Name	FORWARD SWITCH (PASSENGER SIDE)
Connector Type	SD2FW



Terminal No.	Color of Wire	Signal Name [Specification]
32	B/W	-
41	Y/G	-

Connector No.	B557
Connector Name	POWER WALK-IN SWITCH (PASSENGER SIDE)
Connector Type	TR02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
30	P	-
32	B/W	-

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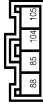
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

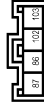
BODY HARNESS

Connector No.	B602
Connector Name	SEATBACK THERMAL ELECTRIC DEVICE DRIVER (BED)
Connector Type	B609-2163



Terminal No.	Color of Wire	Signal Name [Specification]
85	G	-
86	G/R	-
104	V/W	-
105	LG	-

Connector No.	B603
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE DRIVER (BED)
Connector Type	B609-2163

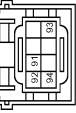


Terminal No.	Color of Wire	Signal Name [Specification]
86	G/W	-
87	G/B	-
102	V	-
103	BR	-

Connector No.	B604
Connector Name	SEATBACK THERMAL ELECTRIC DEVICE DRIVER (BED)
Connector Type	B609-2163



Terminal No.	96	Color of Wire	R/W	Signal Name [Specification]
98	L	L/W	-	-



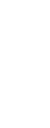
Terminal No.	91	Color of Wire	Y	Signal Name [Specification]
92	W	W	-	-
93	W/B	W/R	-	-
94	W/R	W/R	-	-

Terminal No.	97	Color of Wire	R	Signal Name [Specification]
98	L	L	-	-
101	GR/R	GR/R	-	-

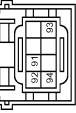


Terminal No.	95	Color of Wire	R/L	Signal Name [Specification]
96	R/W	R/W	-	-
97	R	R	-	-
98	L	L	-	-
99	L/W	L/W	-	-
100	GR/R	GR/R	-	-
102	V	V	-	-
103	BR	BR	-	-
104	V/W	V/W	-	-
109	LG	LG	-	-

Terminal No.	95	Color of Wire	G	Signal Name [Specification]
96	G/W	G/W	-	-
97	G/B	G/B	-	-
98	GR	GR	-	-
99	R	R	-	-

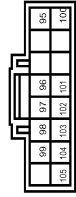


Connector No.	B607
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT DRIVER (BED)
Connector Type	DELPHI E5406141



Terminal No.	91	Color of Wire	Y	Signal Name [Specification]
92	W	W	-	-
93	W/B	W/R	-	-
94	W/R	W/R	-	-

Terminal No.	97	Color of Wire	R	Signal Name [Specification]
98	L	L	-	-
101	GR/R	GR/R	-	-



Terminal No.	95	Color of Wire	R/L	Signal Name [Specification]
96	R/W	R/W	-	-
97	R	R	-	-
98	L	L	-	-
99	L/W	L/W	-	-
100	GR/R	GR/R	-	-
102	V	V	-	-
103	BR	BR	-	-
104	V/W	V/W	-	-
109	LG	LG	-	-



Terminal No.	Color of Wire	Signal Name [Specification]
75	G	-
76	Y	-
77	SHIELD	-
78	W	-
79	B	-
80	SHIELD	-
81	Y	-
82	G	-
83	SHIELD	-
90	B	-
91	P	-
92	V	-
93	C	-
94	BG	-
95	GR	-
100	BR	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B617
Connector Name	MICROPHONE (FOR Audiopilot™)
Connector Type	TK0ZFBR



Terminal No.	Color of Wire	Signal Name [Specification]
81	-	-
82	-	-

Connector No.	B621
Connector Name	WIRE TO WIRE
Connector Type	NS1IMBR-CS



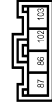
Terminal No.	Color of Wire	Signal Name [Specification]
75	W	-
76	B	-
77	SHIELD	-
78	Y	-
79	G	-
80	SHIELD	-
91	B	-
92	G	-
93	W	-
94	SB	-
95	OR	-
100	LG	-

Connector No.	B622
Connector Name	SEATBACK THERMAL ELECTRIC DEVICE (PASSENGER SIDE)
Connector Type	6098-2163



Terminal No.	Color of Wire	Signal Name [Specification]
85	G	-
88	G/R	-
104	V/W	-
105	LG	-

Connector No.	B623
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (PASSENGER SIDE)
Connector Type	6098-2163



Terminal No.	Color of Wire	Signal Name [Specification]
86	G/W	-
87	G/B	-
102	V	-
103	BR	-

Connector No.	B624
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (PASSENGER SIDE)
Connector Type	7883-5829-90



Terminal No.	Color of Wire	Signal Name [Specification]
96	R/W	-
98	L	-
99	L/W	-

Connector No.	B625
Connector Name	CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR (PASSENGER SIDE)
Connector Type	7883-5830-90



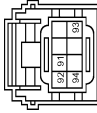
Terminal No.	97	R	-
98	L	-	-
101	GR/R	-	-

Connector No.	B626
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE)
Connector Type	DELPHI E532141



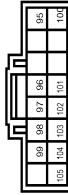
Terminal No.	Color of Wire	Signal Name [Specification]
95	G	-
96	G/W	-
97	G/B	-
98	GR	-
99	R	-

Connector No.	B627
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE)
Connector Type	DELPHI E506141



Terminal No.	Color of Wire	Signal Name [Specification]
91	Y	-
92	W	-
93	W/B	-
94	W/R	-

Connector No.	B628
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE)
Connector Type	DELPHI E5394150



Terminal No.	Color of Wire	Signal Name [Specification]
95	R/L	-
96	R/W	-
97	R	-
98	L	-
99	L/W	-
100	GR/R	-
102	V	-
103	BR	-
104	V/W	-
109	LG	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B629
Connector Name	WIRE TO WIRE
Connector Type	TR02ZMGY



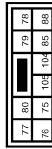
Terminal No.	Color of Wire	Signal Name [Specification]
75	P	-
76	L	-

Connector No.	B630
Connector Name	WIRE TO WIRE
Connector Type	TR02ZMW



Terminal No.	Color of Wire	Signal Name [Specification]
78	R	-
79	G	-

Connector No.	B631
Connector Name	WIRE TO WIRE
Connector Type	NS10AMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
77	P	-
78	R	-
79	L	-

77	B/Y	-
78	R	-
79	G	-
80	B/W	-
85	G	-
88	G/R	-
104	V/W	-
105	LG	-

Connector No.	B632
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
75	P	-
76	L	-
77	B/Y	-
78	R	-
79	G	-
80	B/W	-
85	G	-
88	G/R	-
104	V/W	-
105	LG	-

Connector No.	B633
Connector Name	WIRE TO WIRE
Connector Type	NS12MBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
22	W/G	-
23	O/L	-
26	Y	-
30	P	-
32	B/W	-
36	W/L	-
41	Y/G	-
44	L	-
86	R/W	-
88	L	-
89	L/W	-

23	O/L	-
26	Y	-
30	P	-
32	B/W	-
36	W/L	-
41	Y/G	-
44	L	-
86	R/W	-
88	L	-
89	L/W	-

Connector No.	B634
Connector Name	WIRE TO WIRE
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
22	W/G	-
23	O/L	-
26	Y	-
30	P	-
32	B/W	-
36	W/L	-
41	Y/G	-
44	L	-
86	R/W	-
88	L	-
89	L/W	-

Connector No.	B635
Connector Name	WIRE TO WIRE
Connector Type	TR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
75	-	-
76	-	-

Connector No.	B636
Connector Name	WIRE TO WIRE
Connector Type	TR02FEW



Terminal No.	Color of Wire	Signal Name [Specification]
78	-	-
79	-	-

Connector No.	B637
Connector Name	PASSENGER HEADREST SPEAKER LH
Connector Type	TR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
75	-	-
76	-	-

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS

Connector No.	B638
Connector Name	PASSENGER HEADREST SPEAKER RH
Connector Type	T102FW



Terminal No.	Color of Wire	Signal Name [Specification]
78	-	-
79	-	-

Connector No.	B632
Connector Name	WIRE TO WIRE
Connector Type	NS16MR-GS



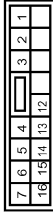
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	SB	-
4	GR	-
5	GR	-
6	BG	-
7	R	-
8	Y	-
9	LG	-
10	LG	-
11	W	-
12	W	-
13	BR	-
14	W	-
15	BR	-
16	BR	-

Connector No.	B653
Connector Name	WIRE TO WIRE
Connector Type	NS26FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-

Connector No.	B654
Connector Name	WIRE TO WIRE
Connector Type	NS16MGY-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-
3	BG	-
4	Y	-
5	R	-
6	P	-
7	B	-
8	B	-
9	B	-
10	B	-
11	BR	-
12	BR	-
13	BR	-
14	BR	-
15	W	-
16	GR	-

Connector No.	B655
Connector Name	WIRE TO WIRE
Connector Type	NS26FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-

Connector No.	B656
Connector Name	ROOF STATUS SENSOR
Connector Type	1-96E700-1



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	B657
Connector Name	ROOF LATCH ASSEMBLY
Connector Type	NS26FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

2	-	-
4	-	-
5	-	-
6	-	-

Connector No.	B658
Connector Name	REAR DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

Connector No.	B659
Connector Name	REAR DEFOGGER
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	-	-

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CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

D Door Harness


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DOOR HARNESS

Connector No. D1

Connector Name WIRE TO WIRE

Connector Type TH40FW-CSS1



HS

Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	-
5	B	- [Except for A.T. models with automatic drive positioner]
6	P	- [A.T. models with automatic drive positioner]
7	SB	-
8	R	-
9	G	-
10	LG	-
11	W	-
12	L	-
13	B	-
14	V	-
15	Y	-
16	Y/B	-
17	Y	-
18	G	-
19	R	-
20	V	-
21	SHIELD	- [With automatic drive positioner]
22	P	-
23	O	-
24	Y	-
25	SB	-
26	GR	-
27	GR	-
28	LG	-
29	G	-
30	Y	-
31	W	-
32	BR	-
33	L	-
34	R	-
35	V	-
36	B	-
37	O	-
38	GR	-

Connector No. D2

Connector Name TWEEFER LH

Connector Type TK02MR-P

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

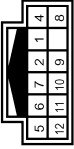
Connector No. D3

Connector Name DOOR MIRROR (DRIVER SIDE)

Connector Type TH12MW-NH

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-




Connector No. D4

Connector Name TWEEFER LH

Connector Type TK02FBR

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-




Connector No. D5

Connector Name SEAT MEMORY SWITCH

Connector Type A08FW

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-




Connector No. D6

Connector Name DOOR SPEAKER LH

Connector Type NS02FW-CS

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-



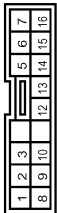
Connector No. D7

Connector Name DOOR MIRROR REMOTE CONTROL SWITCH

Connector Type TK10FW

HS

Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-



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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

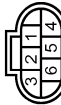
DOOR HARNESS

Connector No.	D9	Color of Wire	Signal Name [Specification]
Connector Name	POWER WINDOW MAIN SWITCH		
Connector Type	NS03FW-CS		



Terminal No.	Color of Wire	Signal Name [Specification]
17	B	-
18	Y	-

Connector No.	D10	Color of Wire	Signal Name [Specification]
Connector Name	DRIVER SIDE POWER WINDOW MOTOR		
Connector Type	FHB06FY-Z		



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	BR	-
4	BG	-
5	W	-
6	L	-

Connector No.	D11	Color of Wire	Signal Name [Specification]
Connector Name	DOOR WOOFER LH		
Connector Type	NS03FW-CS		



Terminal No.	1	Color of Wire	Signal Name [Specification]
2	R		



Connector No.	D12	Color of Wire	Signal Name [Specification]
Connector Name	STEP LAMP (DRIVER SIDE)		
Connector Type	TB02FW		



Terminal No.	1	Color of Wire	Signal Name [Specification]
2	SB		



Connector No.	D13	Color of Wire	Signal Name [Specification]
Connector Name	OUTSIDE HANDLE LH (REQUEST SWITCH)		
Connector Type	FK02FL		



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	D14	Color of Wire	Signal Name [Specification]
Connector Name	OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)		
Connector Type	PK02MGY		



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D15	Color of Wire	Signal Name [Specification]
Connector Name	DRIVER SIDE DOOR LOCK ASSEMBLY		
Connector Type	EB6FY-RS		



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	P	-
3	L	-
4	B	-
5	W	-
6	V	-

Connector No.	D16	Color of Wire	Signal Name [Specification]
Connector Name	DOOR SQUAWKER LH		
Connector Type	TK02FBR		



Terminal No.	1	Color of Wire	Signal Name [Specification]
2	W		



Connector No.	D17	Color of Wire	Signal Name [Specification]
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH		
Connector Type	TK16FBR		



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	Y	-
3	O	-
4	BR	-
5	LG	-
6	SB	-
7	B	-
8	B	- [Wgh M/T]
9	P	- [Wgh A/T]
10	GR	-
11	LG	-
12	G	-
13	W	-
14	W	-
15	Y	-

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JRMWD3682GB

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

DOOR HARNESS

Connector No.	D18
Connector Name	DOOR-MOUNTED CURTAIN AIR BAG MODULE LH
Connector Type	ACB02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/B	-
2	Y	-

Connector No.	D19
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	D32
Connector Name	TWEETER RH
Connector Type	TK02MRP-P



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	- [With automatic drive positioner]
1	Y	- [Without automatic drive positioner]
2	LG	- [With automatic drive positioner]
2	Y	- [Without automatic drive positioner]
4	L	-
5	GR	- [Without automatic drive positioner]
5	O	- [With automatic drive positioner]
6	G	- [Without automatic drive positioner]
6	GR	- [With automatic drive positioner]
7	G	- [Without automatic drive positioner]
8	B	-
9	P	-
10	BR	-
11	W	-
12	V	-

Connector No.	D34
Connector Name	TWEETER RH
Connector Type	TK02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D38
Connector Name	DOOR SPEAKER RH
Connector Type	NS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D40
Connector Name	PASSENGER SIDE POWER WINDOW MOTOR
Connector Type	FHB06FY-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	V	-
4	BG	-
5	SB	-
6	L	-

Connector No.	D41
Connector Name	DOOR WOOFER RH
Connector Type	NS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TB02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	SB	-

Connector No.	D43
Connector Name	OUTSIDE HANDLE RV (REQUEST SWITCH)
Connector Type	RK02FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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DOOR HARNESS

Connector No.	D44
Connector Name	OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	FR02MGM



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D45
Connector Name	PASSENGER SIDE DOOR LOCK ASSEMBLY
Connector Type	EGBF0Y-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	D46
Connector Name	DOOR SQUAWKER RH
Connector Type	T02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D48
Connector Name	DOOR-MOUNTED CURTAIN AIR BAG MODULE RH
Connector Type	ACB00FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/B	-
2	Y	-

Connector No.	D49
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HR02FY-1V-EX-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

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CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

E Engine Room Harness

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ENGINE ROOM HARNESS

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK (ENGINE ROOM)
Connector Type	LO2FB-MC



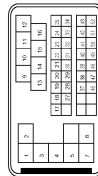
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK (ENGINE ROOM)
Connector Type	LO2FY-MC



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
4	R	-

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAAS0MB-RSS-SH2Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	SHIELD	-

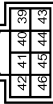
Terminal No.	Color of Wire	Signal Name [Specification]
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	G	-
25	V	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
38	L	-
39	P	-
40	R	-
41	W	-
42	LG	-
43	G	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

Connector No.	E4
Connector Name	IPW E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	FL MAIN
2	L	FL USM

Connector No.	E6
Connector Name	IPW E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	CAN-L
40	L	CAN-H
41	B/W	S-GND
42	Y	MOTOR FAN RLY MID
43	SB	DETENT SW
44	LG	HORN RLY
45	G	HORN SW
46	W	START CONT

Connector No.	E7
Connector Name	IPW E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-C312-M4



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	AC COMP
49	BG	IGN COIL
51	Y	INJECTOR #1
53	W	ENG SOL
54	P	ETC
55	SB	ECM BATT
56	LG	O2 SENS #1
57	G	O2 SENS #2
58	GR	AT ECU
69	BR	SSOFF
70	BG	MOTRLY
73	P	INHIBIT SW
74	G	START JG-EGI
75	SB	OIL PRES SW
76	Y	ALT-C
77	R	FPR
80	W	STARTER MOTOR

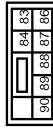
CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ENGINE ROOM HARNESS

Connector No.	E18
Connector Name	FRAME BURNOUT/INLET POWER DISTRIBUTION/MODULE (FRAME BOM)
Connector Type	MS38FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
83	R	HEAD LAMP LO RH
84	P	HEAD LAMP LO LH
86	W	FR FOG LAMP RH
87	L	FR FOG LAMP LH
88	G	WASH MOTOR
89	BR	HEAD LAMP HL RH
90	LG	HEAD LAMP HL LH

Connector No.	E10
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24380 JL00A



Terminal No.	Color of Wire	Signal Name [Specification]
N	R	
O	LG	

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	Relay 24381 7990A



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	SB	
3	Y	

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381 7990A



Terminal No.	Color of Wire	Signal Name [Specification]
31	SB	
32	V	
34	Y	
35	BG	- [With heated seat]
36	BR	- [With A/C seat]
37	L	
38	P	
F	Y	
G	W	
H	C	
I	Y	
K	G	
L	R	
M	L	

Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RM18FB-AJ28-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B2)
2	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (B2)
3	G	VVEL CONTROL SHAFT POS SEN Z (B1)
4	W	SENSOR GROUND
5	R	VVEL CONTROL SHAFT POS SEN Z (B2)
6	B	SENSOR GROUND
7	SB	SENSOR POWER SUPPLY
8	BG	POWER SUPPLY FOR VVEL CONTROL MODULE
9	LG	SENSOR POWER SUPPLY
11	G	CAN COMMUNICATION LINE (COM)
12	G	VVEL ACTUATOR MOTOR (HIGH LIFT) (B1)
13	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B1)
14	B/W	VVEL CONTROL MODULE GROUND
15	L/Y	VVEL ACTUATOR MOTOR (LOW LIFT) (B2)
16	R	VVEL CONTROL SHAFT POS SEN I (B1)
17	L	SENSOR GROUND
18	G	VVEL CONTROL SHAFT POS SEN I (B2)
19	W	SENSOR GROUND
20	BR	SENSOR POWER SUPPLY
21	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL
22	P	SENSOR POWER SUPPLY
23	Y	VVEL CONTROL MOTOR RELAY
24	L	CAN COMMUNICATION LINE
25	BR	VVEL CONTROL MOTOR (LOW LIFT) (B1)

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F900



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	Y	
3	W	
5	R	

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F900



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	
2	G	
3	Y	
5	R	

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	MS38FW-R-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	Y	
3	G	

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE ROOM HARNESS

Connector No.	E20
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	1M0FBFR-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	G	-
5	BR	-
6	L	-
7	BG	-



Connector No.	E21
Connector Name	BATTERY CURRENT SENSOR
Connector Type	RH03FB



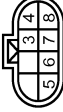
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	G	-

Connector No.	E27
Connector Name	FRONT WHEEL SENSOR RH
Connector Type	FA20ZFB1



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	R	-
6	LG	-
7	BR	-
8	P	-

Connector No.	E29
Connector Name	FRONT FOG LAMP RH
Connector Type	FR20ZFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B/W	-

Connector No.	E30
Connector Name	HOOD SWITCH
Connector Type	RH0ZFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	EQ2FSY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BR	-

Connector No.	E32
Connector Name	WASHER LEVEL SWITCH
Connector Type	Z0ZFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	E36
Connector Name	CRASH ZONE SENSOR
Connector Type	HR0ZFY-1V-EX-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

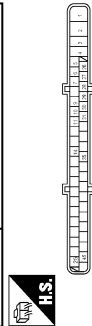
ENGINE ROOM HARNESS

Connector No.	E37
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	SJZ01FY-SNZZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-
3	R	-

Connector No.	E41
Connector Name	ABS PULSION AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AH24-LH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	L	UBMR
3	R	UBVR
4	B	GROUND
5	Y	DS EL
6	BG	DP RL
7	BR	DP RR
8	B	DS FR
9	W	DS FR
10	W	DS FR
11	V	DAG-K
14	P	CAN-L
25	Y	BUS-FL
26	LG	DP RL
27	GR	DS RL
28	G	UZ
29	P	DS RR
30	SB	BUS
31	R	VDC OFF SWITCH
35	L	CAN-H

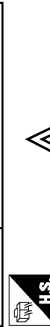
45	B	BUS-H
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Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B/W	-
4	L	-
5	LG	-

Connector No.	E47
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	YV02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	E48
Connector Name	BRAKE BOOSTER PRESSURE SENSOR
Connector Type	FR03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
3	B	-

Connector No.	E61
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MS02FL-AMZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-
3	R	-
5	P	-

Connector No.	E62
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-AMZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	W	-
5	Y	-

Connector No.	E63
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS02FL-AMZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	L	-
3	SE	-
5	BG	-

Connector No.	E67
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	FR03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	SE	-

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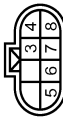
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE ROOM HARNESS

Connector No.	E53
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS38FB-FR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	P	-
6	GR	-
7	LG	-
8	BG	-

Connector No.	E59
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B/W	-

Connector No.	E60
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	AJZ02FB1



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	E61
Connector Name	HORN (HIGH)
Connector Type	PO1FB-ER-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	E62
Connector Name	HORN (HIGH)
Connector Type	PO1FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	E67
Connector Name	IDC SENSOR INTEGRATED UNIT
Connector Type	RS36FB-FR



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	V	BRAKE HOLD RELY DRIVE SIGNAL
3	L	CAN-H
4	B	GROUND
6	P	CAN-L

Connector No.	E69
Connector Name	HORN (LOW)
Connector Type	PO1FB-ER-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-

Connector No.	E70
Connector Name	HORN (LOW)
Connector Type	PO1FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	E76
Connector Name	AMBIENT SENSOR
Connector Type	RS20FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	P	-

Connector No.	E77
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	L	-
3	BG	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE ROOM HARNESS

Connector No.	E179
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	LG	-

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1D	R	-

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1E	G	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	V	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
4	B/W	-
5	G	-
6	BG	-
7	LG	-
8	C	-
9	R	-
10	W	-
11	V	-
12	R	-
13	GR	-
14	P	-
15	W	-
16	W	-
17	V	-

18	BG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	BG	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
47	V	-
48	P	-
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	G	-
80	W	-
81	P	-
82	G	-
83	V	-
84	L	-
85	BG	-
86	LG	-
87	Y	-
88	GR	-
89	W	-
90	W	-
91	G	-
92	B	-
93	GR	-
94	L	-
95	Y	-
97	BP	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E107
Connector Name	PARKING BRAKE SWITCH
Connector Type	TB01FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-

Connector No.	E108
Connector Name	ASCD CLUTCH SWITCH
Connector Type	S02FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	S02FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [Wth A/T]
1	R	- [Wth W/T]
2	V	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE ROOM HARNESS

Connector No.	E110
Color of Wire	
Connector Name	STOP LAMP SWITCH
Connector Type	IMPFW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	V	-
3	L	- [With M.T.] - [With A.T.]
4	SB	- [With M.T.] - [With A.T.]

Connector No.	E111
Color of Wire	
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	SD2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	GR	-

Connector No.	E112
Color of Wire	
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	FR02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	R	-
4	W	-
5	L	-
6	GR	-

Connector No.	E114
Color of Wire	
Connector Name	ICC BRAKE SWITCH
Connector Type	SD2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-

Connector No.	E116
Color of Wire	
Connector Name	BRAKE PEDAL STROKE SENSOR
Connector Type	HS04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	SI
2	R	VCC
3	G	SC
4	B	GROUND

Connector No.	E117
Color of Wire	
Connector Name	WIRE TO WIRE
Connector Type	IMPFW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	GR	-
4	P	-
5	BR	-
6	BG	-

Connector No.	E120
Color of Wire	
Connector Name	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	B	GROUND
3	LG	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL

Connector No.	E201
Color of Wire	
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340_79909



Terminal No.	5
Color of Wire	B/Y
Signal Name [Specification]	-

Connector No.	E202
Color of Wire	
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340_79905



Terminal No.	6
Color of Wire	B/GY
Signal Name [Specification]	-

Connector No.	E203
Color of Wire	
Connector Name	ALTERNATOR
Connector Type	24340_65F45



Terminal No.	1
Color of Wire	B/GY
Signal Name [Specification]	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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ENGINE ROOM HARNESS

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	Z4346-51E01



Terminal No.	Color of Wire	B/Y	Signal Name [Specification]
2	-	-	-

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	61188-0259



Terminal No.	Color of Wire	Signal Name [Specification]
4	-	-
5	-	-

Connector No.	E302
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	61188-0259



Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

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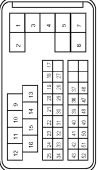
CONNECTOR INFORMATION


[POWER SUPPLY & GROUND CIRCUIT]


< DTC/CIRCUIT DIAGNOSIS >


F Engine Control Harness


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ENGINE CONTROL HARNESS			
Connector No.	F1		
Connector Name	WIRE TO WIRE		
Connector Type	ISAARFB-RSP-SHZ2		
43	R	--	
46	SHIELD	--	
47	W/L	--	
48	LG	--	
49	O/L	--	
50	L/Y	--	
51	W	--	
52	L/G	--	
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	L/Y	--	
2	SHIELD	--	
3	L/B	--	
4	SHIELD	--	
5	BR	--	
7	G	--	
8	W	--	
9	W	--	
10	G	--	
11	R	--	
12	P	--	
13	L	--	
14	LG	--	
15	R	--	
16	Y	--	
17	W	--	
18	LG	--	
19	P	--	
20	O	--	
21	BR	--	
22	G	--	
23	Y	--	
24	LG	--	
25	V	--	
27	GR	--	
28	BR	--	
29	L	--	
30	R	--	
31	P	--	
32	W	--	
33	SB	--	
34	O	--	
37	SHIELD	--	
38	W	--	
39	Y	--	
40	G	--	
41	B	--	
42	GR	--	


Connector No.	F2		
Connector Name	CRANKSHAFT POSITION SENSOR (POS)		
Connector Type	RH03FB		
43	R	--	
46	SHIELD	--	
47	W/L	--	
48	LG	--	
49	O/L	--	
50	L/Y	--	
51	W	--	
52	L/G	--	
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	R	--	
2	Y	--	
3	W	--	

Connector No.	F3		
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)		
Connector Type	RH04MDGY-BR		
4	R	--	
3	Y	--	
2	W	--	
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	R	--	
2	Y	--	
3	W	--	

Connector No.	F4		
Connector Name	IGNITION SWITCH CONTROL ACTUATOR (BANK 1)		
Connector Type	RH03FB		
1	G		
2	BR	MOTOR 1-1	
3	R	MOTOR 1-2	
4	Y	GM-A (TPS)	
5	B	TPS 1-1	
6	L	TPS 2-1	
		AVCC-TPS	
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	G		
2	BR	MOTOR 1-1	
3	R	MOTOR 1-2	
4	Y	GM-A (TPS)	
5	B	TPS 1-1	
6	L	TPS 2-1	
		AVCC-TPS	

Connector No.	F5		
Connector Name	CRANKSHAFT POSITION SENSOR (PHASE) (BANK 1)		
Connector Type	RH03FB		
1	G		
2	BR	MOTOR 1-1	
3	R	MOTOR 1-2	
4	Y	GM-A (TPS)	
5	B	TPS 1-1	
6	L	TPS 2-1	
		AVCC-TPS	
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	G		
2	BR	MOTOR 1-1	
3	R	MOTOR 1-2	
4	Y	GM-A (TPS)	
5	B	TPS 1-1	
6	L	TPS 2-1	
		AVCC-TPS	

Connector No.	F6		
Connector Name	CONDENSER		
Connector Type	M02FW-LC		
1	R		
2	GR		
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	R		
2	GR		

Connector No.	F7		
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE		
Connector Type	EC02F-RS-LGY		
1	R		
2	GR		
			
Terminal No.	Color of Wire	Signal Name [Specification]	
1	R		
2	GR		

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE CONTROL HARNESS

Connector No.	F8
Connector Name	WIRE TO WIRE
Connector Type	RS04FL-B



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	W	-
4	SHIELD	-

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	GR	-
3	BR	-
4	B	-
5	O	-
6	W	-
7	V	-

Connector No.	F11
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	W	-

Connector No.	F12
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	W	-

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

1	L	-
2	B	-
3	W	-



Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	W	-

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	W	-

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	W	-

Connector No.	F17
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EG03FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE CONTROL HARNESS

Connector No.	F13
Connector Name	THROTTLE POSITION SENSOR (PHASE 2)
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	L	-

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Type	RH04MDGY-BR



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	W	-
4	Y	-

Connector No.	F27
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 2)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	INPUT(TPS)
2	R	OUTPUT(TPS)
3	W	OUTPUT(TPS)
4	B	GND(TPS)
5	GR	MOTOR(CLOSE)
6	V	MOTOR(OPEN)

Connector No.	F28
Connector Name	INTAKE VALVE TRIMM CONTROL SOLENOID VALVE (BANK 1)
Connector Type	EG02FD-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	F29
Connector Name	INTAKE VALVE TRIMM CONTROL SOLENOID VALVE (BANK 2)
Connector Type	EG02FD-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	F31
Connector Name	MASS AIR FLOW SENSOR (BANK 1)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	P	-
3	SB	-
4	LG	-
5	Y	-

Connector No.	F35
Connector Name	POWER STEERING PRESSURE SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-
3	R	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	V	-
4	W	-

Connector No.	F37
Connector Name	OIL PRESSURE SWITCH
Connector Type	EG02FY-RS-AR



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-

Connector No.	F38
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	EG02FY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-

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CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ENGINE CONTROL HARNESS

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	Y	-
5	GR	-

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RH02FG



Terminal No.	Color of Wire	Signal Name [Specification]
3	O	-
2	Y	-

Connector No.	F45
Connector Name	POWER STEERING SOLENOID VALVE
Connector Type	RS02FBR-DGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	F46
Connector Name	VEH. CONTROL SWFT POSITION SENSOR (BANK 1)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	GR	-
4	G	-
5	W	-
6	Y	-

Connector No.	F47
Connector Name	VEH. CONTROL SWFT POSITION SENSOR (BANK 2)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/G	-
2	L/Y	-
3	W	-
4	O/L	-
5	W/L	-
6	LG	-

Connector No.	F48
Connector Name	VEH. ACTUATOR MOTOR (BANK 1)
Connector Type	X02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BR	-

Connector No.	F49
Connector Name	VEH. ACTUATOR MOTOR (BANK 2)
Connector Type	X02FB



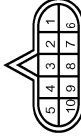
Terminal No.	Color of Wire	Signal Name [Specification]
1	L/B	-
2	L/Y	-

Connector No.	F50
Connector Name	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	O	-
3	W	-

Connector No.	F51
Connector Name	A-T ASSEMBLY
Connector Type	RK10FG-DGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER SUPPLY
2	R	POWER SUPPLY (MEMORY BACK-UP)
3	L	CAN-H
4	V	K-LINE
5	B	GROUND
6	G	POWER SUPPLY (Without paddle effect)
7	Y	POWER SUPPLY (With paddle effect)
8	P	BACK-UP CANP RELAY
9	GR	CAN-L
10	B	STARTER RELAY GROUND

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE CONTROL HARNESS

Connector No.	F52
Connector Name	STARTER MOTOR
Connector Type	X01MGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	A1Z04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-
3	SB	-
4	O	-

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	A1Z04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-

2	R	-
3	P	-
4	W	-

Connector No.	F55
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK0ZFB



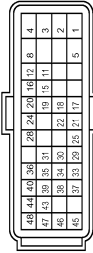
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	W	-

Connector No.	F56
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK0ZFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	O	-

Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R2B-L1H-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A/F SEN 1 HEATER (B1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (B1)
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B1)
4	BR	THROTTLE CONTROL MOTOR (CLOSE) (B1)
5	W	A/F SEN 1 HEATER (B2)
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	V	IGNITION SIGNAL No. 5
16	G	IGNITION SIGNAL No. 2
17	P	HEATED OXYGEN SEN 2 HEATER (B1)
18	W	IVT CONTROL SOL (B1)
19	SB	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	EVAP CANISTER PURGE VOLUME CONTROL SOL
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	O	THROTTLE CONTROL MOTOR RELAY
28	BR	VVEL CONTROL MODULE
29	G	IVT CONTROL SOL (B2)
30	Y	TFS 1 (B1)
31	R	TFS 1 (B2)
33	SB	HEATED OXYGEN SEN 2 HEATER (B2)
34	B	TFS 2 (B1)
35	W	TFS 2 (B2)
36	O	SENSOR GROUND
37	W	PCS SEN
38	O	MAP SEN
39	P	BRAKE BOOST PRESS SEN
40	R	SENSOR GROUND
43	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND
48	B	SENSOR GROUND

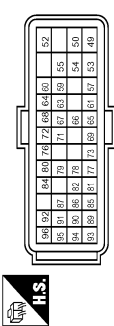
CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ENGINE CONTROL HARNESS

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FBR-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
48	GR	THROTTLE CONTROL MOTOR (CLOSE) (B2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (B2)
52	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B2)
53	W	IGNITION SW
54	Y	CAN COMMUNICATION LINE (VEH. CONTROL MODULE)
55	LG	CAN COMMUNICATION LINE (VEH. CONTROL MODULE)
57	L	A/F SEN 1 (B1)
59	O	PHASE SEN (B1)
60	G	SENSOR POWER SUPPLY
61	R	A/F SEN 1 (B1)
63	L	PHASE SEN (B2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SEN 1 (B2)
66	V	A/F SEN 1 (B2)
67	P	IAT SEN
68	LG	SENSOR GROUND
69	W	KNOCK SEN (B2)
71	Y	EGT SEN
72	SHIELD	SENSOR GROUND
73	W	KNOCK SEN (B1)
76	W	HEATED OXYGEN SEN 2 (B1)
77	SB	MAF SEN (B1)
78	G	EGT SEN
79	BR	MAF SEN (B2)
80	O	HEATED OXYGEN SEN 2 (B2)
81	R	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 6
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	W	FUEL INJECTOR No. 5
87	Y	FPS SEN
88	GR	FUEL INJECTOR No. 1
90	G	FUEL INJECTOR No. 4
91	SB	BATTERY CURRENT SEN
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM
94	Y	SENSOR GROUND
95	G	SENSOR GROUND

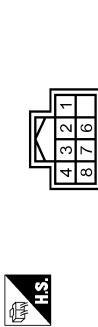
98	P	SENSOR GROUND
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Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08BMW-NH



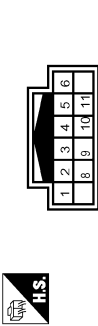
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	V	
3	L	
4	Y	
6	GR	
7	R	
8	O	

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



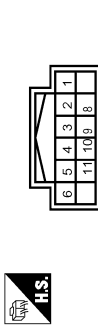
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	V	
3	L	
4	Y	
6	GR	
7	R	
8	O	

Connector No.	F106
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	GR	
3	R	
4	W	
5	Y	
6	G	
8	BR	
9	O	
10	V	
11	SB	

Connector No.	F107
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	GR	
3	R	
4	W	
5	Y	
6	G	
8	BR	
9	O	
10	V	
11	SB	

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RH08MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	GR	
3	BR	
4	R	
5	O	
6	W	
7	V	

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	GR	

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CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

ENGINE CONTROL HARNESS

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BR	-

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	O	-

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	W	-

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	V	-

Connector No.	F157
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

Connector No.	F161
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	AG0FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	GROUND
2	-	VOUT
3	-	VCC

Connector No.	F201
Connector Name	WIRE TO WIRE
Connector Type	RS04ML-B



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	W	-
4	SHIELD	-

Connector No.	F202
Connector Name	KNOCK SENSOR (BANK 2)
Connector Type	EQ2FG-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-

Connector No.	F203
Connector Name	KNOCK SENSOR (BANK 1)
Connector Type	EQ2FG-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

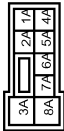
M Main Harness

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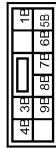
MAIN HARNESS

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-M2



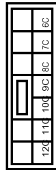
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	BR	-
6A	Y	-
7A	GR	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-CS



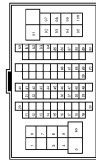
Terminal No.	Color of Wire	Signal Name [Specification]
1B	P	-
2B	F	-
3B	G	-
4B	Y	-
5B	BR	-
6B	Y	-
7B	P	-
8B	F	-
9B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSDFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
8C	W	-
9C	BG	-
10C	L	-
11C	LG	-
12C	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	SB	-
3	P	-
4	G	-
5	GR	-
6	BR	-
7	BR	-
8	Y	-
9	R	-
10	W	-
11	GR	-
12	P	-
13	L	-
14	G	-
15	P	-
16	W	-

17	BR	-
18	V	-
19	BG	-
20	L	-
30	R	-
31	L	-
32	Y	-
36	BR	-
37	Y	-
38	LG	-
39	SB	-
40	G	-
41	W	-
42	LG	-
43	P	-
44	GR	- [With A/T]
44	R	- [With M/T]
45	BG	-
46	G	-
47	P	-
48	P	-
48	L	-
49	L	-
59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	R	-
82	V	-
83	W	-
84	L	-
85	BG	-
86	G	-
87	V	-
88	B	-
88	SB	-
90	G	-
91	W	-
92	B	-
93	G	-
94	L	-
95	BR	-
95	P	-
98	SHIELD	-
100	SB	-

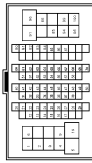
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TP80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	LG	-
3	G	-
4	V	-
5	L	-
6	B	-
9	L	-
10	BR	-
12	SHIELD	-
13	V	-
14	BR	-
15	GR	-
16	LG	-
17	L	-
20	BR	-
21	G	-
22	R	-
23	SB	-
24	B	-
25	W	-
26	Y	-
27	V	-
28	P	-
29	V	-
31	SHIELD	-
32	G	-
33	R	-
34	BG	-
35	GR	-
36	BR	-
37	L	-
37	P	-
38	GR	-
38	Y	-
40	SHIELD	-
42	P	-
43	SHIELD	-

44	Y	-
45	BR	-
46	SB	-
47	SB	-
48	LG	-
48	LG	- [With BOSE system]
49	SB	- [Without BOSE system]
50	LG	- [Without BOSE system]
50	SB	- [With BOSE system]
51	R	-
52	V	-
53	P	-
54	BR	-
55	BG	- [With M,T]
55	Y	- [With A,T]
56	L	-
57	V	-
58	R	-
60	LG	-
61	BG	-
62	B	-
63	V	-
64	SB	-
65	BR	-
66	Y	-
67	P	-
68	L	-
69	P	-
70	L	-
80	G	-
81	LG	-
82	Y	-
83	BR	-
84	V	-
85	L	-
86	Y	-
87	GR	-
91	R	-
93	G	-
94	P	-
95	GR	-
96	Y	-
97	P	-
97	SB	-
98	Y	-
100	Y/B	-

Connector No.	M8
Connector Name	RESISTOR
Connector Type	IM02FBR-LG



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	B	-

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TP02MW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	M9
Connector Name	DIODE
Connector Type	Z433Z C9900



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TR06FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	SB	-
4	W	-

Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TR03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

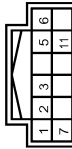
MAIN HARNESS

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	LG	-
4	R	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL.BAT
6	LG	ILL
7	B	GROUND
11	SB	KEY SWITCH SIGNAL

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	BR	-
4	SB	-
5	Y	-
6	LG	-
7	B	-
11	L	-
12	P	-
13	R	-
14	R	-
15	G	-
16	W	-

Connector No.	M28
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	TR06FW-IV



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-
3	BR	-
6	R	-
8	GR	-

Connector No.	M31
Connector Name	TILT & TELESCOPIC SWITCH
Connector Type	TR06FY



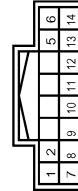
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	GR	-
3	G	-
4	Y	-
5	BR	-

Connector No.	M32
Connector Name	PADDLE SHIFTER (SHIFT-DOWN)
Connector Type	AG3FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
3	G	-

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	FR WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GROUND
7	EG	INPUT 3
8	BR	OUTPUT 5
9	W	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	V	OUTPUT 1
13	Y	INPUT 5
14	G	OUTPUT 2

Connector No.	M35
Connector Name	COMBINATION SWITCH (SERIAL CABLE)
Connector Type	TR06FY-EX-IV



Terminal No.	Color of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y	-
30	Y	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

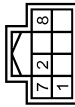
MAIN HARNESS

Connector No.	M36
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TR08FGV-IV



Terminal No.	Color of Wire	Signal Name [Specification]
24	P	-
25	SB	-
26	BR	-
31	L	-
32	Y	-
33	B	-
34	LG	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TR08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
7	B	GROUND
8	G	IGN

Connector No.	M39
Connector Name	PADDLE SHIFTER (SHIFT-UP)
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
3	BG	-

Connector No.	M44
Connector Name	SONAR CONTROL UNIT
Connector Type	TR13AFW-NH



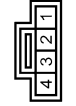
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	IGN
2	SB	CANCEL SW SIGNAL
5	LG	CORNER SENSOR SIGNAL REAR LH
6	L	CORNER SENSOR SIGNAL REAR RH
7	BR	CENTER SENSOR SIGNAL REAR LH
8	GR	CENTER SENSOR SIGNAL REAR RH
11	BR	CANCEL SW INDICATOR
12	V	SENSOR GND
13	LG	ACC
17	BG	R-RANGE SIGNAL
18	V	K-LINE
19	SB	AV-COMM (H)
20	LG	AV-COMM (L)
24	GR	GROUND

Connector No.	M46
Connector Name	SUNLOAD SENSOR
Connector Type	TR02FB



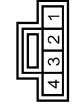
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	SB	-

Connector No.	M48
Connector Name	TILT & TELESCOPIC SENSOR
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	P	-
3	BG	-
4	Y	-

Connector No.	M49
Connector Name	TILT & TELESCOPIC MOTOR
Connector Type	NS04FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]

1	G	-
2	GR	-
3	BG	-
4	L	-

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TR08FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	Y	-
4	BR	-
5	LG	-
6	BG	-
7	V	-
8	P	-

CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

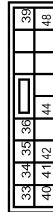
MAIN HARNESS

Connector No.	M61
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	TH3ZFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	TILT SW (UPWARD)
2	LG	MIRROR SELECT SW (RH)
3	G	MIRROR SW (UPWARD)
4	V	MIRROR SW (LEFTWARD)
5	R	MIRROR SENSOR (RH VERTICAL)
6	GR	MIRROR SENSOR (LH VERTICAL)
7	BG	TILT SENSOR
9	BR	ADDRESS 1
10	V	TELESCOPIC SW (FRONTWARD)
11	GR	TELESCOPIC SW (FRONTWARD)
12	BG	IND 1
13	P	IND 2
14	W	MIRROR MOTOR (RH VERTICAL)
15	BG	MIRROR MOTOR (RH HORIZONTAL)
16	Y	MIRROR MOTOR (LH COMMON)
17	BR	TILT SW (DOWNWARD)
18	P	MIRROR SELECT SW (LH)
19	SB	MIRROR SW (DOWNWARD)
20	BR	MIRROR SW (RIGHTWARD)
21	L	MIRROR SENSOR (RH HORIZONTAL)
22	G	MIRROR SENSOR (LH HORIZONTAL)
23	P	TELESCOPIC SENSOR
24	R	SET SW
25	V	ADDRESS 2
26	P	RX (UART)
27	G	TELESCOPIC SW (BACKWARD)
30	SB	MIRROR MOTOR (RH COMMON)
31	G	MIRROR MOTOR (LH VERTICAL)
32	BR	MIRROR MOTOR (LH HORIZONTAL)

Connector No.	M62
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	BR	POWER SUPPLY (SENSOR)
34	R	BAT (FUSE)
35	L	TILT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	BR	BAT (C/B)
40	B	GND (SIGNAL)
41	Y	GND (SENSOR)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)



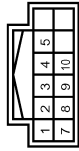
Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	SAB49FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIRBAG SIGNAL
10	R	SECURITY SIGNAL
19	B	GROUND
16	B	METER CONTROL SWITCH GROUND
18	GR	TLL GND
19	B	TLL GND
20	R	TLL

Terminal No.	Color of Wire	Signal Name [Specification]
21	R	IGNITION SIGNAL
22	B	GROUND
24	SB	COMMUNICATION SIGNAL (LCD-AMP)
25	B	COMMUNICATION SIGNAL (AMP-LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH SIGNAL
29	L	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A, B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (1)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (2)

Connector No.	M64
Connector Name	METER CONTROL SWITCH
Connector Type	TH1ZFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	LG	-
3	B	-
4	R	-
5	L	-
7	B	-
8	GR	-
9	BG	-
10	P	-

Connector No.	M61
Connector Name	IN-VEHICLE SENSOR
Connector Type	AC0FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD2FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	P	-
2	SB	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M63
Connector Name	CENTER SPEAKER
Connector Type	TH02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	LG	-

Connector No.	M66
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH40FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
4	G	STOP LAMP SWITCH
5	L	MANUAL MODE SHIFTER UP SIGNAL
6	BG	PADDLE SHIFTER UP SIGNAL
7	GR	COMMUNICATION SIGNAL (AMP-METER)
8	L	VEHICLE SPEED SIGNAL (2-PULSE)
9	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	SB	COMMUNICATION SIGNAL (LCD-AMP)
20	G	IGN ON / OFF SIGNAL
25	V	MANUAL MODE SHIFTER DOWN SIGNAL
26	G	PADDLE SHIFTER DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER-AMP)
28	R	VEHICLE SPEED SIGNAL (3-PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	B	COMMUNICATION SIGNAL (AMP-LCD)
38	P	BLUCHER MOTOR CONTROL SIGNAL

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
41	BR	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	EMHAIST GAS / OUTSIDE COOR DETECTING SENSOR SIGNAL
53	W	IGNITION POWER SUPPLY
54	BG	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
58	Y	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	R	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	IGN CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	L	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	LG	-
5	BG	-

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	GR	-
3	G	-
5	BR	-

Connector No.	M71
Connector Name	DISPLAY UNIT
Connector Type	TH24FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	INVERTED VCC
3	BG	SIGNAL VCC
4	V	COMPOSITE IMAGE GND
5	SHIELD	SHIELD
6	ILL	RGB (G, GREEN) SIGNAL
7	SHIELD	SHIELD
8	R	IF
9	B	RGB AREA (TS) SIGNAL
11	P	COMM (CONT-DISP)

13	BR	INVERTER GND
14	LG	SIGNAL GND
15	SB	COMPOSITE IMAGE SIGNAL
17	G	RGB (RED) SIGNAL
18	P	RGB (BLUE) SIGNAL
19	W	RGB SYNC
20	G	VP
21	SHIELD	SHIELD
22	L	COMM (DISP-CONT)
23	SHIELD	SHIELD

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
3	L	ACC
4	BG	ILL
5	V	ILL CONT
6	SB	AV COMM (P)
8	LG	AV COMM (L)
9	BR	SW GND
14	SB	DISK EJECT SIGNAL
16	G	HAZARD ON

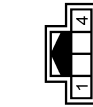
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

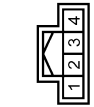
MAIN HARNESS

Connector No.	M73
Connector Name	PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH04MW-NH



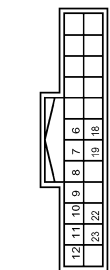
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	B	-

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH04FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ILLUMINATION (-)
2	L	ILLUMINATION (+)
3	B	GROUND
4	Y	BAT

Connector No.	M75
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	B	-
4	Y	-
5	GR	-

6	SHIELD	SHIELD
7	SHIELD	SHIELD
8	W	CAMERA IMAGE SIGNAL
9	L	COMM (DISP-CONT)
10	P	COMM (CONT-DISP)
11	Y	BATTERY
12	B	GROUND
18	L	COMPOSITE IMAGE SIGNAL
19	P	COMPOSITE IMAGE GND
22	SHIELD	SHIELD
23	LG	ACC

Connector No.	M77
Connector Name	INTAKE SENSOR
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-

Connector No.	M80
Connector Name	USB CONNECTOR
Connector Type	HA04FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	R	-
5	SHIELD	-

Connector No.	M81
Connector Name	WIRE TO WIRE
Connector Type	AG3MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	L	-

Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	TR03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	G	OUTPUT
3	B	GROUND

Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	L	-

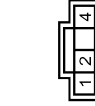
1	V	GROUND
2	L	SIGNAL
4	BR	BATTERY

Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	AG02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	LA04MF



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	GROUND
2	Y	SIGNAL OUTPUT
4	LG	BATTERY

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

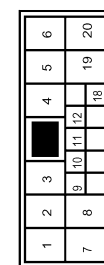
MAIN HARNESS

Connector No.	M105
Connector Name	TRUNK LID OPENER CANCEL SWITCH
Connector Type	IS2FW



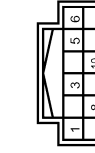
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	B	-

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	BR	-
3	Y	-
4	G	-
5	SHIELD	-
6	R	-
7	B	-
8	L	-
9	R	-
10	SB	-
11	V	-
12	LG	-
13	B	-
14	P	-
15	Y	-
16	-	-
17	-	-
18	-	-
19	-	-
20	Y	-

Connector No.	M108
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH1ZFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	SOL
2	G	VIGN
3	GR	SOL GND
4	B	GROUND
5	L	VSP
6	BR	TACHO
7	-	-
8	-	-
9	-	-
10	-	-

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS303FW-M3



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-
3	B	-

Connector No.	M110
Connector Name	FIRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB8



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	MOTOR (RH) (RELEASE)
2	W	+B
3	LG	MOTOR (RH) (FASTEN)
4	R	MOTOR (LH) (FASTEN)
5	W	GND (DRIVE)
6	BR	MOTOR (LH) (RELEASE)
7	G	INDICATOR
8	LG	BUCKLE SW RH
9	BR	BUCKLE SW LH
10	W	IGN
11	W	SENS OUTPUT 1
12	R	SENS POWER
13	G	SENS OUTPUT 2
14	B	SENS GND
15	P	CAN-L
16	L	CAN-H
17	B	GND (CONT)

Connector No.	M113
Connector Name	WIRE TO WIRE
Connector Type	CP06FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	R	-
5	B	-
6	SHIELD	-

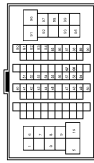
CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

MAIN HARNESS

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
3	B	-
5	SB	-
6	R	-
7	G	-
8	SB	-
9	GR	-
10	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
44	SHIELD	-
45	G	-
47	P	-
48	L	-
49	SHIELD	-
50	V	-
51	SB	-
52	BG	-
53	L	-
54	G	-
55	Y	-
56	LG	-
57	SB	-
58	LG	-
67	SB	-
68	LG	-
80	W	-
81	B	-
82	R	-
83	C	-
84	SHIELD	-
85	G	-
86	L	-
87	L	-
88	SHIELD	-
89	Y	-

90	W	-
91	GR	-
92	P	-
93	W	-
94	BG	-
95	BG	-
96	P	-
97	L	-
98	Y/B	-
99	Y	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



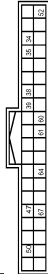
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	Y	TRUNK LID OPEN OUTPUT
25	Y	TURN SIGNAL LH (REAR)
30	P	TRUNK ROOM LAMP-CONT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	V	TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
47	Y	IGN RELAY (PDM L/R) CONT
50	G	TRUNK ROOM LAMP SW
52	BR	STARTER RELAY CONT
60	BR	PUSH SW
61	SB	TRUNK LID OPENER REQUEST SW
64	G	F-KEY WARN BUZZER (ENG ROOM)
67	GR	TRUNK LID OPENER SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color of Wire	Signal Name [Specification]
112	BR	RAIN SENSOR SERIAL LINK
112	C	OPTICAL SENSOR2
114	B	CUTCH INTERLOCK SW
116	SB	STOP LAMP SW
118	BR	STOP LAMP SW Z
119	GR	DR DOOR UNLOCK SENSOR
121	SB	KEY SLOT SW
123	W	IGN F/B
124	BG	PASSENGER DOOR SW
129	BG	TRUNK LID OPENER CANCEL SW
132	LG	P/W SW & RH C/U COMM

133	Y	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	LOCK IND
137	BG	RECEIVER / SENSOR GND
138	Y	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	R	SECURITY IND LAMP
142	BR	COMBI SW OUTPUT 5
143	V	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	R	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

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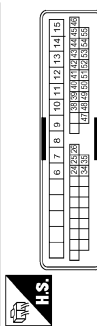
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M121
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-C515



Terminal No.	Color of Wire	Signal Name [Specification]
6	BG	-
7	R	-
8	G	-
9	P	-
10	V	-
11	SB	- [With BOSE system]
11	GR	- [Without BOSE system]
12	BR	-
13	B	-
14	G	-
15	W	-
24	R	-
25	G	-
26	SHIELD	-
34	Y/B	-
35	Y/B	-
38	W	-
39	BG	-
40	SB	-
41	G	- [With automatic drive positioner]
41	BR	- [Without automatic drive positioner]
42	R	-
43	L	-
44	Y	-
45	R	-
46	W	-
47	SB	-
48	BR	-
48	Y	-
50	P	-
51	LG	-
52	BG	-
53	Y	-
54	L	-
55	L	-

Connector No.	M130
Connector Name	FRONT POWER SOCKET
Connector Type	FR2FB-Z



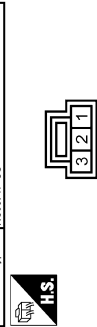
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	FR02FCY



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

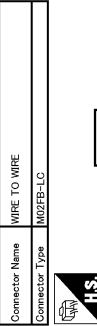
Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS33FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	BR	-

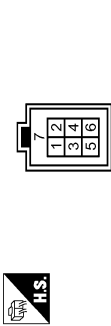
3	P	-
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Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	MD2FB-LC



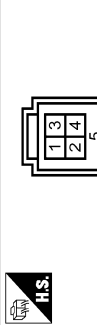
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-

Connector No.	M134
Connector Name	WIRE TO WIRE
Connector Type	CR06MGY-S



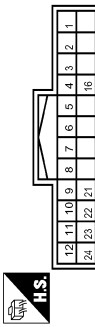
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	L	-
4	G	-
5	R	-
7	SHIELD	-

Connector No.	M135
Connector Name	USB CONNECTOR
Connector Type	HA04FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	R	-
5	SHIELD	-

Connector No.	M138
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	BR	-
3	R	-
4	GR	-
5	W	-
6	W	-
7	R	-
8	GR	-
9	SB	-
10	L	-
11	L	-
12	GR	-
16	R	-
21	GR	-
22	GR	-
23	GR	-
24	W	-

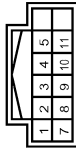
CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH1ZFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	MT MODE
2	V	M/DOWN
3	L	M/UP
4	BR	GND
5	G	AT MODE
7	Y	ILL
8	SB	S-LOCK SOL
9	B	ILL GND
10	GR	KEY SW
11	R	KEY SW

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



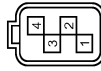
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	W	-
5	W	-
6	GR	-

Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SB	-
3	R	-
4	W	-
5	W	-
6	GR	-

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	AAZ04FB-S



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	Y	-
3	SB	-
4	G	-

Connector No.	M144
Connector Name	WIRE TO WIRE
Connector Type	TR04MW-NH



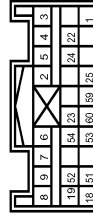
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	W	-
4	SHIELD	-

Connector No.	M146
Connector Name	INSIDE REY ANTENNA (CONSOLE)
Connector Type	RK02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NI28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-

1	LG	IGN
2	B	GROUND
3	Y	DRI (+)
4	Y	DRI (-) DRZ (-)
5	Y	DRZ (+)
6	Y	AST (+)
7	Y	AST (-)
8	Y	ASZ (+)
9	Y	ASZ (-)
18	SB	ECZS (+)
19	V	ECZS (-)
22	SHIELD	GROUND
23	LG	AIRBAG W/L
24	G	SEAT BELT
25	R	CUTOFF TELL TALE
51	R	SIDE SENS RH2+
52	G	SIDE SENS RH2-
53	Y	SIDE SENS LH2+
54	BR	SIDE SENS LH2-
59	L	CAN-H
60	P	CAN-L

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	FR02FB-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M151
Connector Name	WIRE TO WIRE
Connector Type	M02MB-F-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M152
Connector Name	POWER SOCKET
Connector Type	P02FB-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M153
Connector Name	SONAR CANCEL SWITCH
Connector Type	T008FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	W	-

3	B	-
4	BG	-
5	L	-
6	BR	-



Connector No.	M156
Connector Name	PASSENGER AIR BAG MODULE 1
Connector Type	JCA02FB



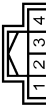
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	M157
Connector Name	PASSENGER AIR BAG MODULE 2
Connector Type	JCA02FOR



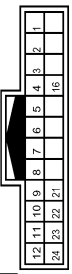
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	M160
Connector Name	IONIZER
Connector Type	T004FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	IGN
2	L	IGN MODE
3	B	GROUND
4	G	IGN ON / OFF

Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	T02AMV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	BR	-
3	R	-
4	GR	-
5	W	-
6	LG	-
7	R	-
8	P	-
9	SB	-
10	O	-
11	L	-
12	G	-
16	B	-
21	GR	-
22	W	-
23	R	-
24	Y	-

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	T008FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	O	-
4	W	-
5	LG	-
6	B	-

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	T008FBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	SB	-
3	R	-
4	Y	-
5	W	-
6	GR	-

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M177
Connector Name	CLIMATE CONTROLLED SEAT SWITCH(DRIVER SIDE)
Connector Type	TK10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	V	-
3	P	-
4	BR	-
5	GR	-
6	B	-
7	R	-
8	R	-

Connector No.	M178
Connector Name	CLIMATE CONTROLLED SEAT SWITCH(PASSENGER SIDE)
Connector Type	TK08FBR



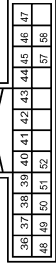
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	L	-
4	BG	-
5	Y	-
6	B	-
7	R	-
8	R	-

Connector No.	M179
Connector Name	ROOF OPEN / CLOSE SWITCH
Connector Type	TK08FW-IV



Terminal No.	Color of Wire	Signal Name [Specification]
3	V	-
4	BR	-
5	R	-
6	GR	-

Connector No.	M202
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LQ	SIGNAL GND
38	R	UP
39	L	COMM(DISP-CONT)
40	B	RGB AREA (VS) SIGNAL
41	SHIELD	SHIELD
42	W	RGB SYNC
43	G	RGB (RED) SIGNAL
44	L	RGB (GREEN) SIGNAL
45	P	RGB (BLUE) SIGNAL
46	V	COMPOSITE IMAGE GND
47	SB	COMPOSITE IMAGE SIGNAL
48	BR	INVERTER VCC
49	G	INVERTER GND
50	G	VP
51	P	COMM (CONT-DISP)
52	SHIELD	SHIELD

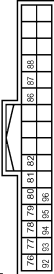
57	SHIELD	SHIELD
58	SHIELD	SHIELD

Connector No.	M203
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
62	W	CAMERA IMAGE SIGNAL
71	SHIELD	SHIELD
72	W	CAMERA GND
73	R	CAMERA POWER SUPPLY

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
76	LQ	AV COMM (L)
77	SB	AV COMM (R)
78	LQ	AV COMM (L)
79	SB	AV COMM (R)
80	P	CON-H
81	L	CON-L
82	BR	SW GND
83	SHIELD	SHIELD
84	L	TEL VOICE SIGNAL (-)
85	L	TEL VOICE SIGNAL (+)
86	GR	VEHICLE SPEED (3-PULSE)
87	SB	PARKING BRAKE REVERSE
88	EG	REVERSE
89	G	EMTION

96	SB	DISK EJECT SIGNAL
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Connector No.	M205
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
109	R	SOUND SIGNAL RH (+)
110	B	SHIELD
111	P	SOUND SIGNAL LH (+)
115	G	SOUND SIGNAL RH (-)
119	L	SOUND SIGNAL LH (-)

Connector No.	M206
Connector Name	AV CONTROL UNIT
Connector Type	A12FW



Terminal No.	Color of Wire	Signal Name [Specification]
120	B	SATELLITE RADIO SOUND SIGNAL LH (+)
121	G	SATELLITE RADIO SOUND SIGNAL RH (+)
122	L	COMM (CONT-SAT)
123	W	SATELLITE RADIO SOUND SIGNAL LH (-)
125	R	SATELLITE RADIO SOUND SIGNAL RH (-)
126	SHIELD	SHIELD
127	SHIELD	SHIELD
128	P	REGULATED (SAT-CONT)
130	G	COMM (SAT-CONT)

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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

Connector No.	M207
Connector Name	AV CONTROL UNIT
Connector Type	HA4MFL



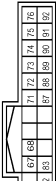
Terminal No.	Color of Wire	Signal Name [Specification]
132	G	USB GND
133	R	USB D- SIGNAL
134	W	V BUS SIGNAL
135	L	USB D+ SIGNAL
136	SHIELD	SHIELD

Connector No.	M209
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
22	R	CAMERA POWER SUPPLY
29	SB	DISK EJECT SIGNAL
42	W	CAMERA GND
48	BR	SW GND

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
65	SB	PARKING BRAKE
67	P	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	G	MICROPHONE VCC
73	P	COMM (CONT-DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	IGNITION
82	GR	REVERSE SIGNAL
83	SHIELD	VEHICLE SPEED (8-PULSE) SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	L	COMM (DISP-CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

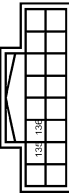
Connector No.	M212
Connector Name	AV CONTROL UNIT
Connector Type	HA4MFL



Terminal No.	Color of Wire	Signal Name [Specification]
129	G	USE GND
130	R	USE D- SIGNAL

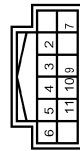
131	W	V BUS SIGNAL
132	L	USE D- SIGNAL
133	SHIELD	SHIELD

Connector No.	M213
Connector Name	AV CONTROL UNIT
Connector Type	TH10FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
135	BR	VOICE GUIDANCE SIGNAL (+)
136	Y	VOICE GUIDANCE SIGNAL (-)

Connector No.	M221
Connector Name	SHIFT POSITION SWITCH
Connector Type	TH1ZFV



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	N
3	BR	D
4	G	R
5	P	P
6	V	M
7	O	ST
9	Y	MT
10	B	ILL
11	B	GROUND

Connector No.	M222
Connector Name	SHIFT LOCK UNIT
Connector Type	M222



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	IGN
4	L	GROUND

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Type	AG3FW

























Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-

CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS		
Connector No.	M252	
Connector Name	AIR MIX DOOR MOTOR LH	
Connector Type	A03FW	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
Connector No.	M253	
Connector Name	MODE DOOR MOTOR	
Connector Type	A03FW	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
Connector No.	M254	
Connector Name	INTAKE DOOR MOTOR	
Connector Type	A03FW	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
Connector No.	M255	
Connector Name	AIR MIX DOOR MOTOR RH	
Connector Type	A03FW	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
Connector No.	M256	
Connector Name	WIRE TO WIRE	
Connector Type	TH04MW-NH	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	L	-
Connector No.	M257	
Connector Name	WIRE TO WIRE	
Connector Type	TH04FW-NH	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-
Connector No.	M300	
Connector Name	DRIVER AIR BAG MODULE	
Connector Type	AG02FOR	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
9	-	-
12	-	-
Connector No.	M301	
Connector Name	DRIVER AIR BAG MODULE	
Connector Type	AG02FOR	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
Connector No.	M302	
Connector Name	DRIVER AIR BAG MODULE	
Connector Type	AG02FY-2V	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-
Connector No.	M303	
Connector Name	COMBINATION SWITCH (SPRALL CABLE)	
Connector Type	TH08FY	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
138	-	-
139	-	-
Connector No.	M370	
Connector Name	AV CONTROL UNIT	
Connector Type	GT13SH-2 1S-HU	
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
138	-	-
139	-	-

JRMWD3714GB

























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CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS

<table border="1"> <tr><td>Connector No.</td><td>M371</td></tr> <tr><td>Connector Name</td><td>AV CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>GT13SF-2 1S-HU</td></tr> </table>  	Connector No.	M371	Connector Name	AV CONTROL UNIT	Connector Type	GT13SF-2 1S-HU	<table border="1"> <tr><td>Terminal No.</td><td>151</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>ANTENNA SIGNAL</td></tr> <tr><td>Terminal No.</td><td>152</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>ANTENNA AMP. ON SIGNAL</td></tr> </table>	Terminal No.	151	Color of Wire	-	Signal Name [Specification]	ANTENNA SIGNAL	Terminal No.	152	Color of Wire	-	Signal Name [Specification]	ANTENNA AMP. ON SIGNAL	<table border="1"> <tr><td>Connector No.</td><td>M374</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>FAKPA</td></tr> </table>  	Connector No.	M374	Connector Name	WIRE TO WIRE	Connector Type	FAKPA	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M377</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>FAKPA</td></tr> </table>  	Connector No.	M377	Connector Name	WIRE TO WIRE	Connector Type	FAKPA	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M382</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>FAKPA</td></tr> </table>  	Connector No.	M382	Connector Name	WIRE TO WIRE	Connector Type	FAKPA	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M372</td></tr> <tr><td>Connector Name</td><td>AV CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>FAKPA JACK</td></tr> </table>  	Connector No.	M372	Connector Name	AV CONTROL UNIT	Connector Type	FAKPA JACK	<table border="1"> <tr><td>Terminal No.</td><td>159</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> <tr><td>Terminal No.</td><td>160</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> </table>	Terminal No.	159	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD	Terminal No.	160	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD	<table border="1"> <tr><td>Connector No.</td><td>M375</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>GT13SSN-1 1PP-HU</td></tr> </table>  	Connector No.	M375	Connector Name	WIRE TO WIRE	Connector Type	GT13SSN-1 1PP-HU	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M378</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>GT13SSN-1 1PP-HU</td></tr> </table>  	Connector No.	M378	Connector Name	WIRE TO WIRE	Connector Type	GT13SSN-1 1PP-HU	<table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M383</td></tr> <tr><td>Connector Name</td><td>ANTENNA BASE</td></tr> <tr><td>Connector Type</td><td>FAKPA</td></tr> </table>  	Connector No.	M383	Connector Name	ANTENNA BASE	Connector Type	FAKPA	<table border="1"> <tr><td>Terminal No.</td><td>3</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> <tr><td>Terminal No.</td><td>4</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> </table>	Terminal No.	3	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD	Terminal No.	4	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD	<table border="1"> 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Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	Color of Wire	-	Signal Name [Specification]	-	Terminal No.	2	Color of Wire	-	Signal Name [Specification]	-	<table border="1"> <tr><td>Connector No.</td><td>M385</td></tr> <tr><td>Connector Name</td><td>AV CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>GT13HN-6S-HU</td></tr> </table>  	Connector No.	M385	Connector Name	AV CONTROL UNIT	Connector Type	GT13HN-6S-HU	<table border="1"> <tr><td>Terminal No.</td><td>137</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>RGB DIGITAL IMAGE SIGNAL (-)</td></tr> <tr><td>Terminal No.</td><td>138</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>RGB DIGITAL IMAGE SIGNAL (+)</td></tr> </table>	Terminal No.	137	Color of Wire	-	Signal Name [Specification]	RGB DIGITAL IMAGE SIGNAL (-)	Terminal No.	138	Color of Wire	-	Signal Name [Specification]	RGB DIGITAL IMAGE SIGNAL (+)	<table border="1"> <tr><td>Connector No.</td><td>M373</td></tr> <tr><td>Connector Name</td><td>AV CONTROL UNIT</td></tr> <tr><td>Connector Type</td><td>GT15-1S-HU</td></tr> </table>  	Connector No.	M373	Connector Name	AV CONTROL UNIT	Connector Type	GT15-1S-HU	<table border="1"> <tr><td>Terminal No.</td><td>133</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> <tr><td>Terminal No.</td><td>134</td></tr> <tr><td>Color of Wire</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>SATELLITE ANTENNA SHIELD</td></tr> </table>	Terminal No.	133	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD	Terminal No.	134	Color of Wire	-	Signal Name [Specification]	SATELLITE ANTENNA SHIELD
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JRMWD3715GB

CONNECTOR INFORMATION


< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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MAIN HARNESS

Connector No.	M38F
Connector Name	DISPLAY UNIT
Connector Type	GT7HNZ-4DN-HU



1	2
3	4

Terminal No.	Color of Wire	Signal Name [Specification]
27	-	RGB DIGITAL IMAGE SIGNAL (-)
28	-	RGB DIGITAL IMAGE SIGNAL (+)

PG

JRMWD3716GB

CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

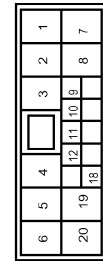
< DTC/CIRCUIT DIAGNOSIS >

R Room Lamp Harness

INFOID:000000008154903

ROOM LAMP HARNESS

Connector No.	RT
Connector Name	WIRE TO WIRE
Connector Type	INH10FW-C510



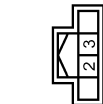
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	BR	-
3	Y	-
4	W	-
5	SHIELD	-
6	O	-
7	B	-
8	L	-
9	Y	-
10	B	-
11	V	-
12	R	-
18	B	-
19	BR	-
20	G	-

Connector No.	R5
Connector Name	ROOM LAMP
Connector Type	TK08FGY



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	B	-
6	B	-
7	V	-
8	R	-

Connector No.	R6
Connector Name	ROOF LATCH LIMIT SWITCH
Connector Type	TK06FW-NH



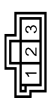
Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	B	-

Connector No.	R7
Connector Name	MICROPHONE
Connector Type	TK06FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	MICROPHONE SIGNAL
2	SHIELD	MICROPHONE SHIELD
4	W	MICROPHONE VCC

Connector No.	R8
Connector Name	RAIN SENSOR
Connector Type	AMB08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
4	B	-

2	BR	SIG.
3	B	GROUND

Connector No.	RT2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	5557-Q2R



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	RT3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	5557-Q2R



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

HARNESS CONNECTOR

Description

INFOID:000000008154904

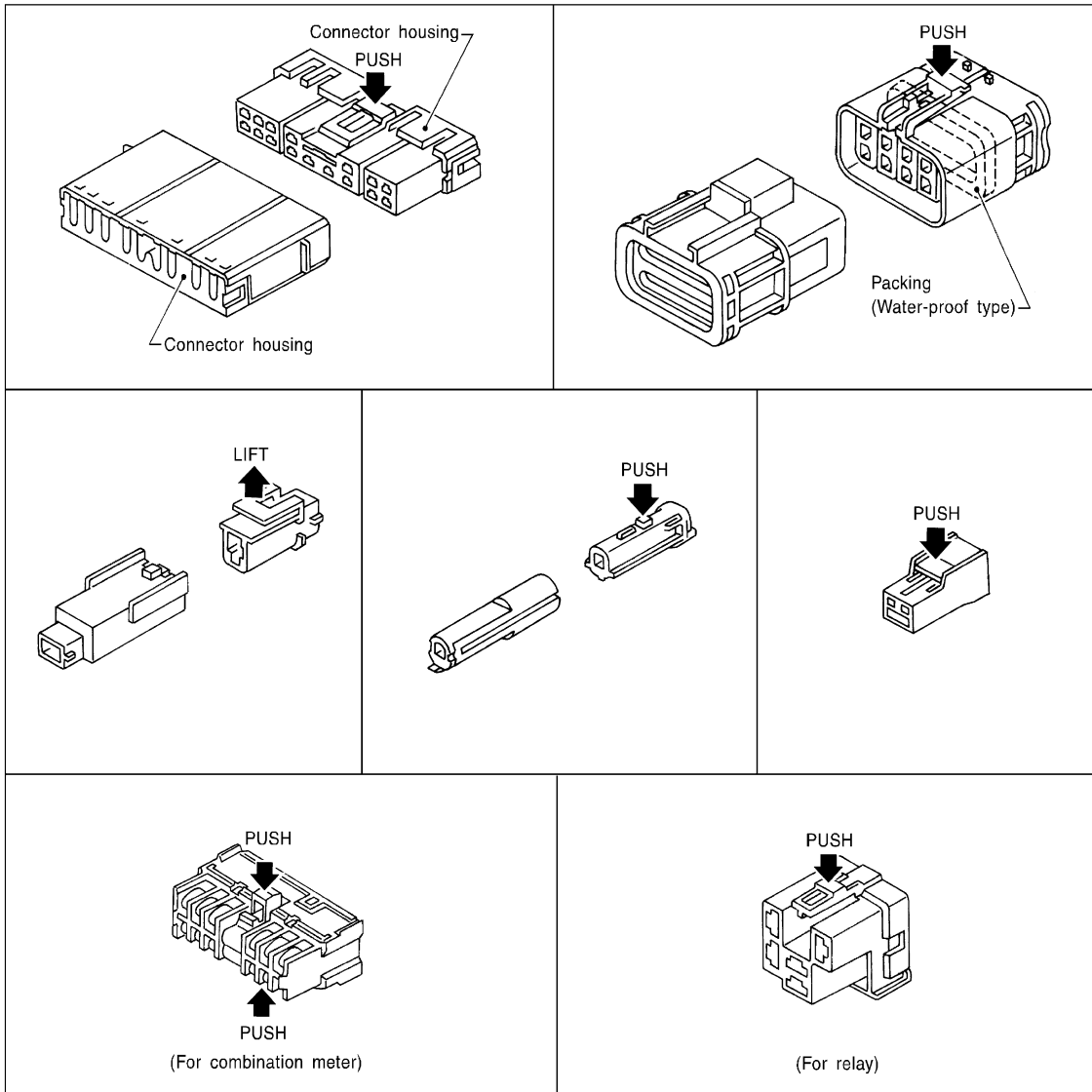
HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

[Example]



SEL769DA

HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

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HARNESS CONNECTOR

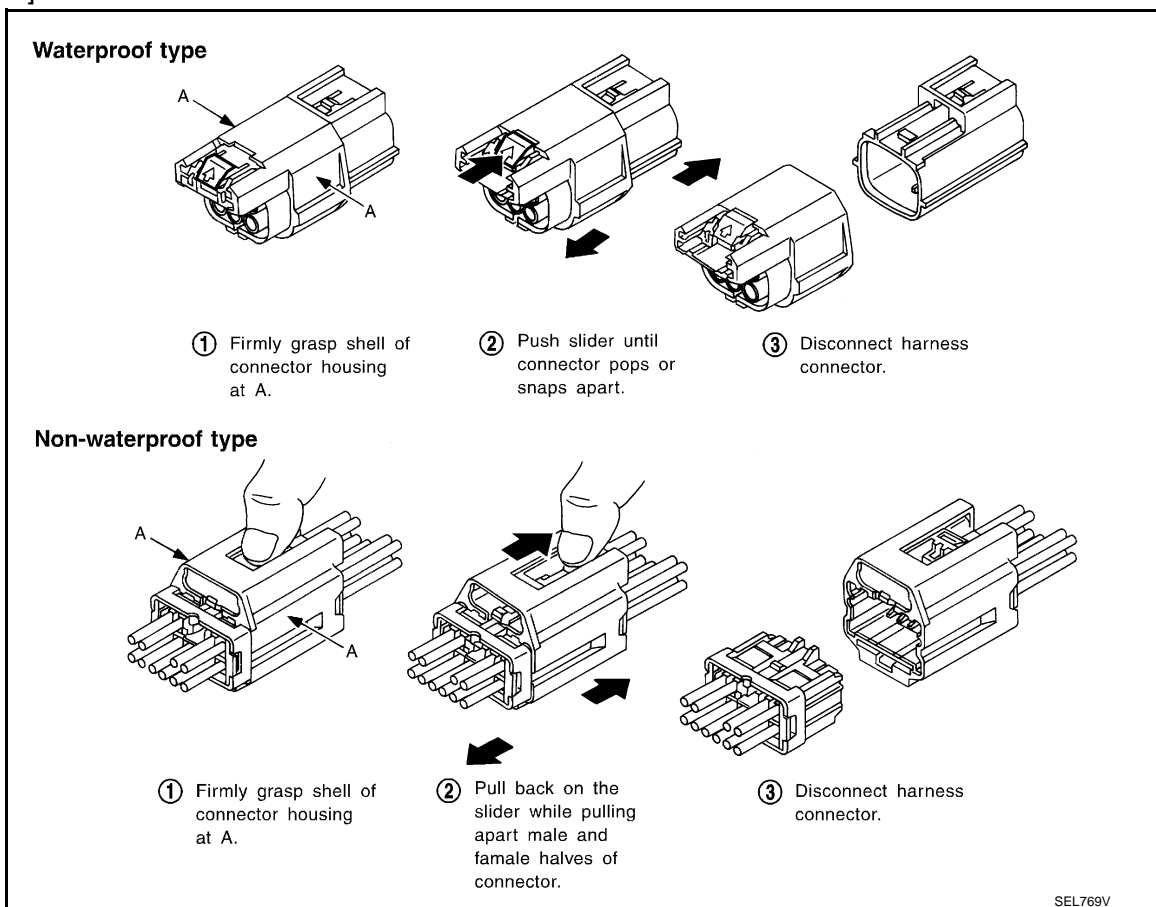
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

CAUTION:

- Never pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

[Example]



HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

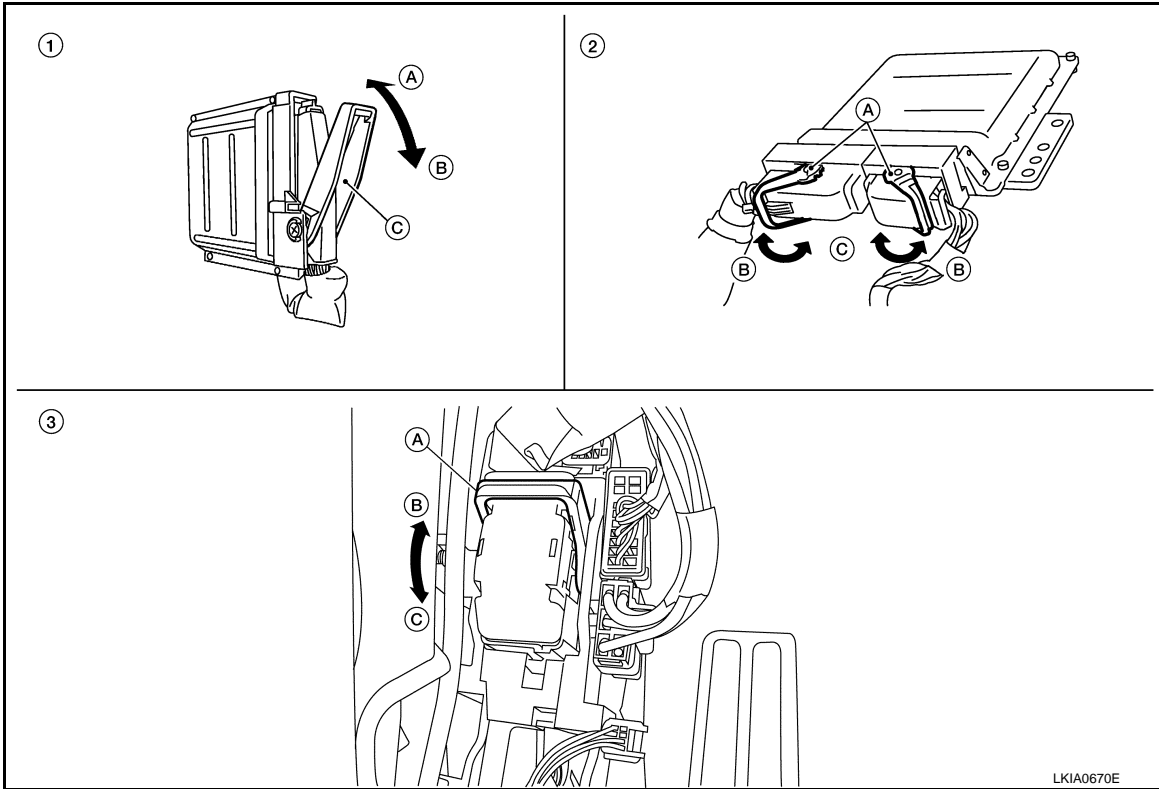
CAUTION:

HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



1. Control unit with single lever
A. Fasten
B. Loosen
C. Lever

2. Control unit with dual levers
A. Levers
B. Fasten
C. Loosen

3. SMJ connector
A. Lever
B. Fasten
C. Loosen

LKIA0670E

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STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

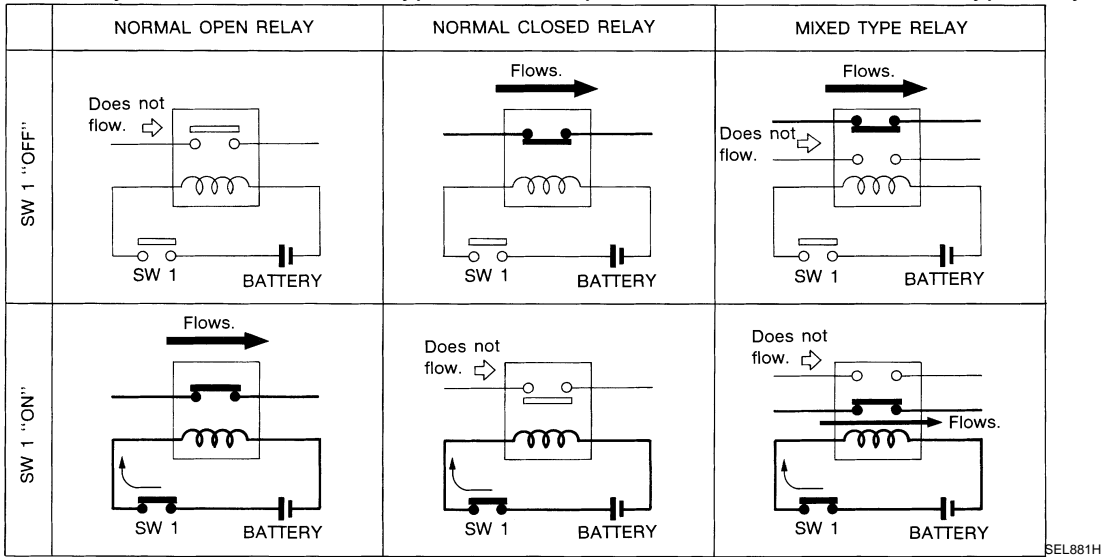
STANDARDIZED RELAY

Description

INFOID:000000008154905

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

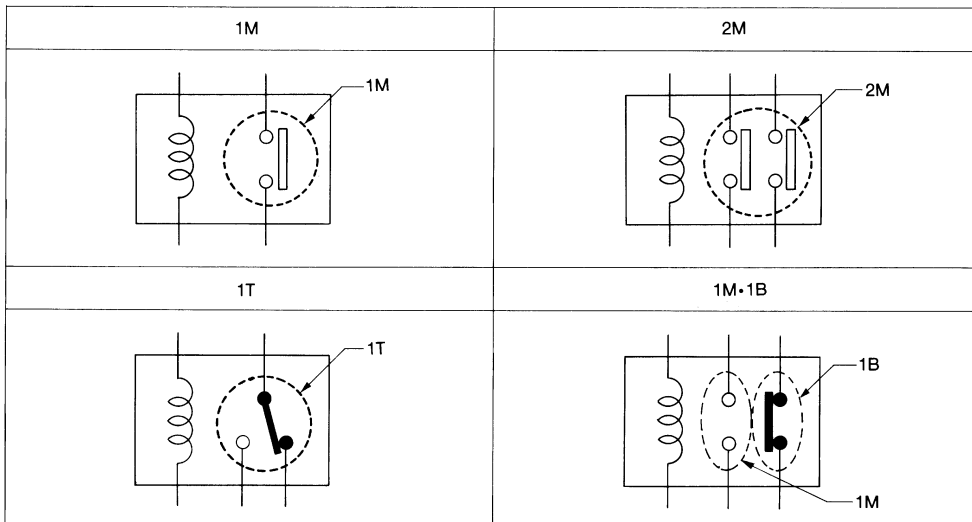
TYPE OF STANDARDIZED RELAYS

1M 1 Make

2M 2 Make

1T 1 Transfer

1M-1B 1 Make 1 Break

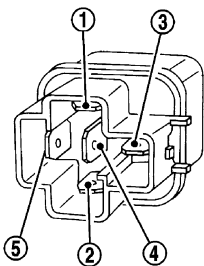
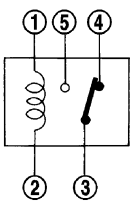
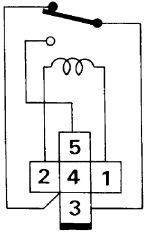
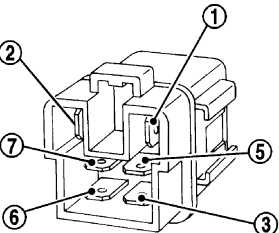
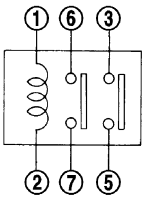
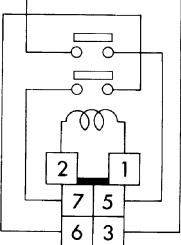
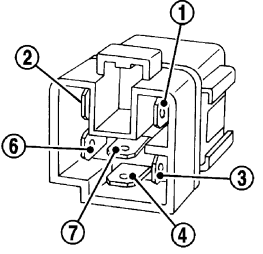
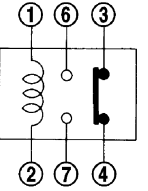
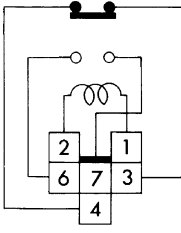
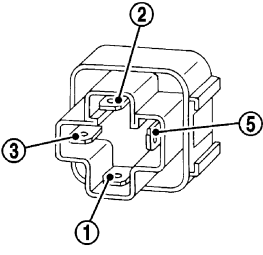
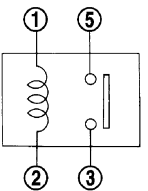
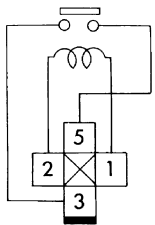
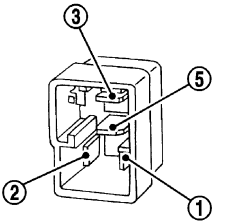
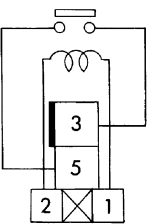


SEL882H

STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1M				BLUE
				

The arrangement of terminal numbers on the actual relays may differ from those shown above.

SEL188W

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FUSE BLOCK - JUNCTION BOX (J/B)

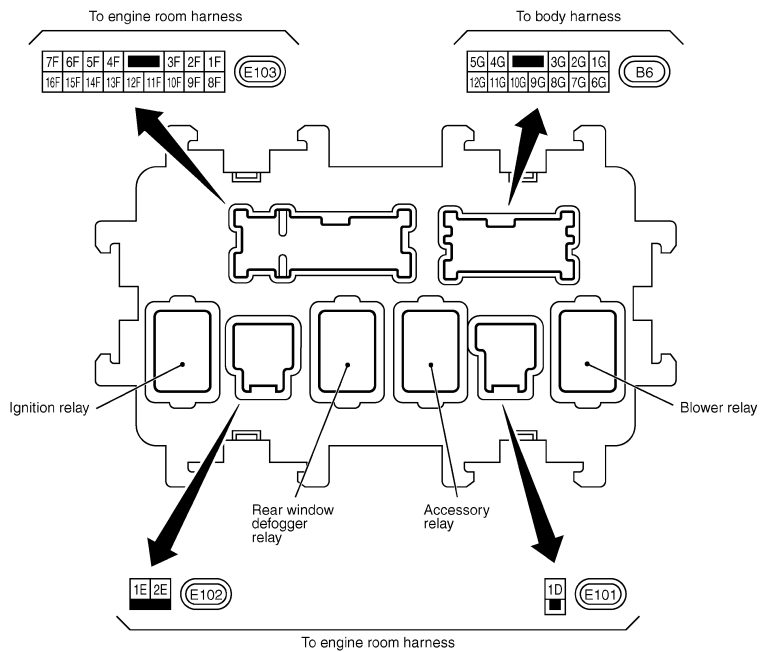
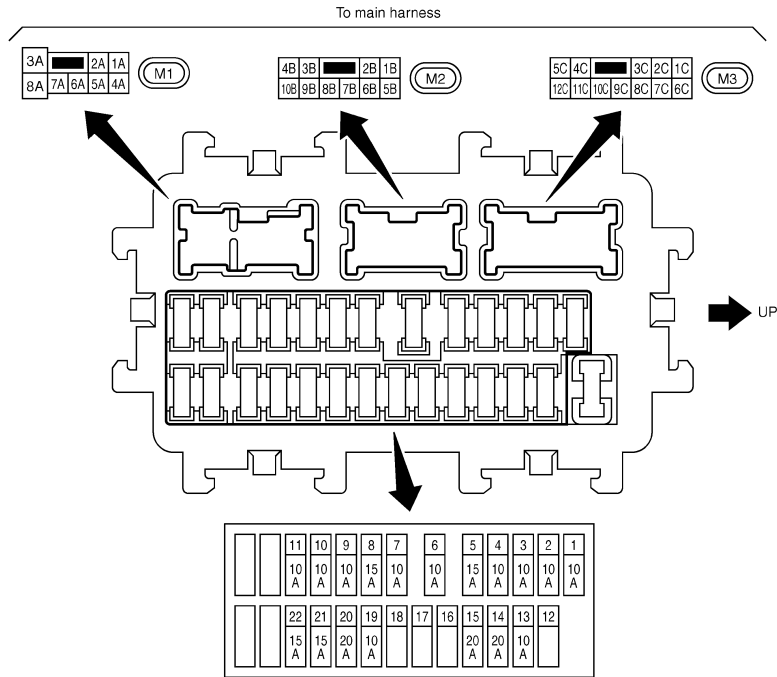
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000008154906



2012/03/05

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FUSE, FUSIBLE LINK AND RELAY BOX

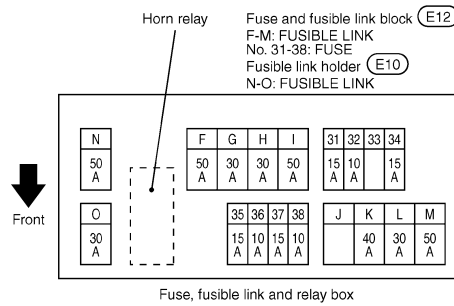
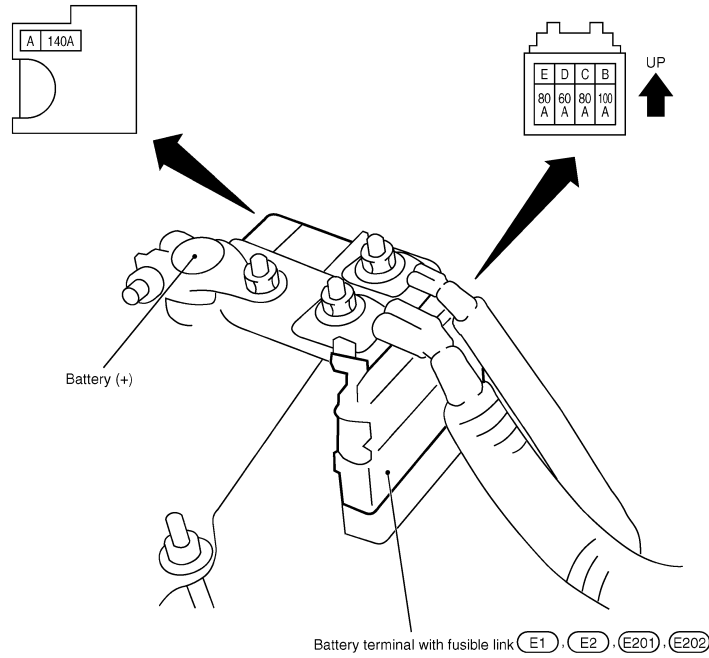
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000008154907



2009/11/10

JCMWM6410GB

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IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

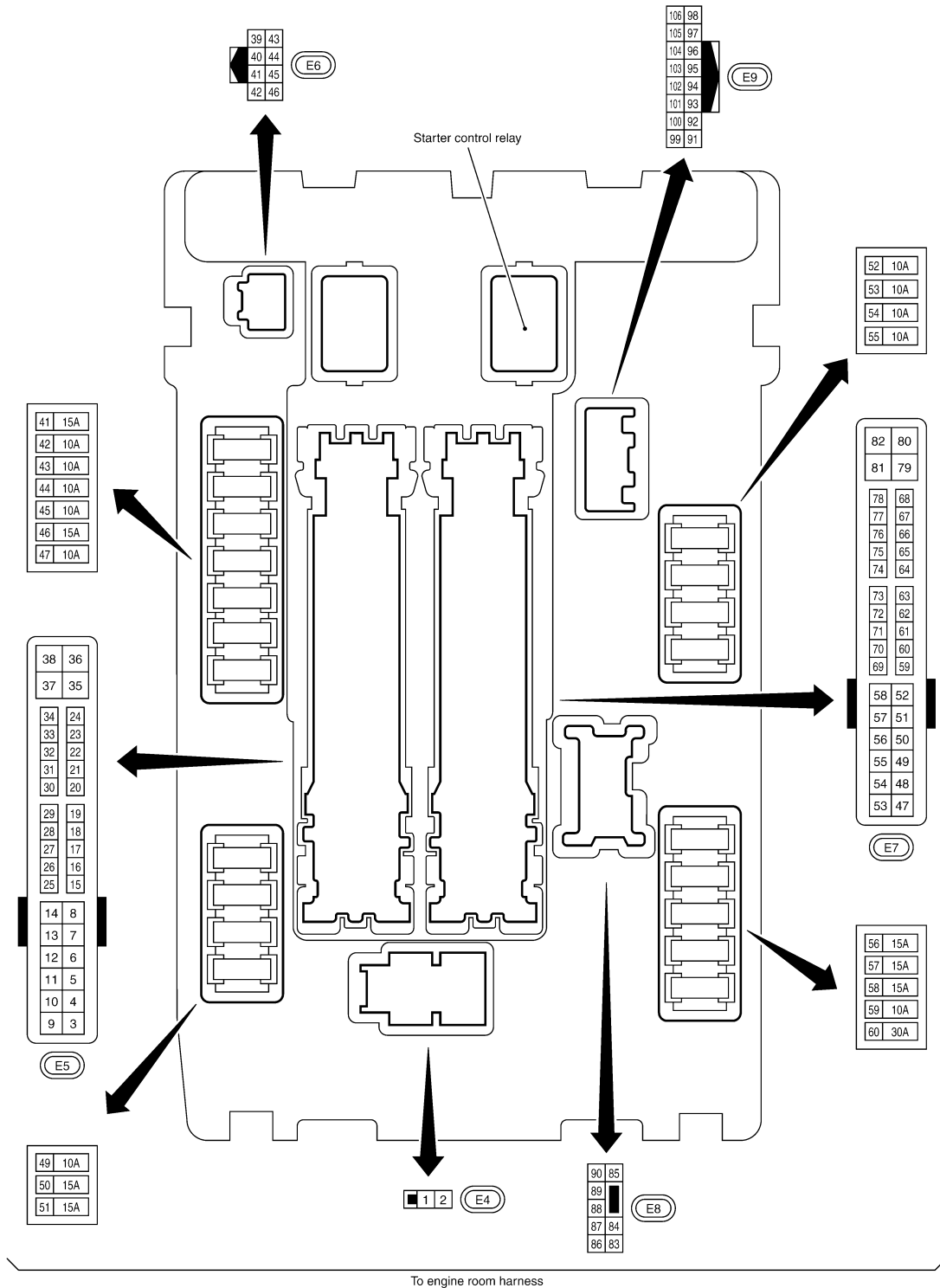
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

Fuse, Connector and Terminal Arrangement

INFOID:000000008154908



2011/07/18

JRMWC4597GB

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000008154909

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Battery Service

INFOID:000000008154910

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Service Procedure Precautions for Models with a Pop-up Roll Bar

INFOID:000000008154911

WARNING:

Always observe the following items for preventing accidental activation.

- Risk of passenger injury or death may increase if the pop-up roll bar does not deploy during a roll over collision. In order to reduce the chance of an incident where the pop-up roll bar is inoperative, all maintenance must be performed by a NISSAN or INFINITI dealer.
- Before removing and installing the pop-up roll bar component parts and harness, always turn the ignition switch OFF, disconnect the battery negative terminal, and wait for 3 minutes or more. (The purpose of this operation is to discharge electricity that is accumulated in the auxiliary power supply circuit in the air bag diagnosis sensor unit.)
- When repairing, removing, and installing a pop-up roll bar, always refer to SRS AIR BAG and SRS AIR BAG CONTROL warnings in the Service Manual.

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PRECAUTIONS

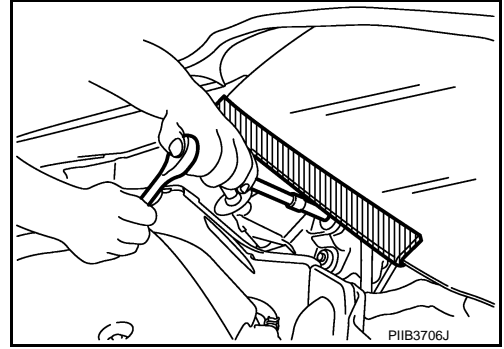
< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

Precaution for Procedure without Cowl Top Cover

INFOID:000000008154912

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

< PREPARATION >

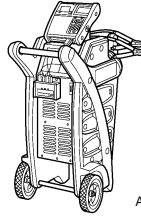
PREPARATION

PREPARATION

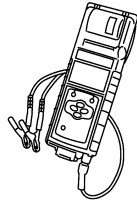
Special Service Tools

INFOID:000000008154913

Tool number (Kent-Moore No.) Tool name	Description
— (→) Model GR8-1200 NI Multitasking battery and electrical diagnostic station	Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.
— (→) Model EXP-800 NI Battery and electrical diagnostic analyzer	Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.



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BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

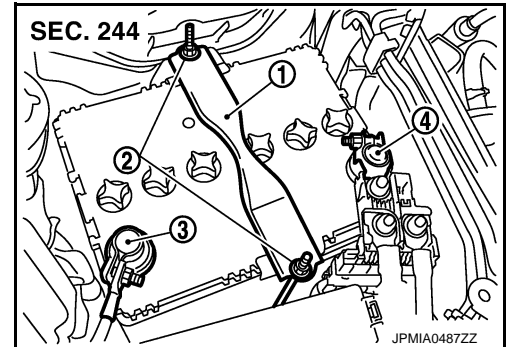
REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:000000008154914

- 1 : Battery fix frame
- 2 : Battery fix frame mounting nuts
- 3 : Battery terminal (-)
- 4 : Battery terminal (+)



Removal and Installation

INFOID:000000008154915

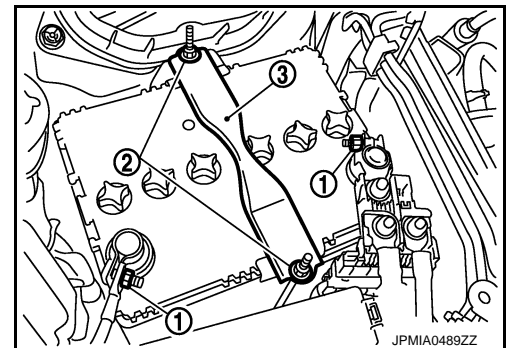
REMOVAL

1. Remove battery cover.
2. Remove cowl top cover (RH). Refer to [EXT-23, "Exploded View"](#).
3. Remove cover of battery positive terminal.
4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

CAUTION:

When disconnecting, disconnect the battery cable from the negative terminal first.

5. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
6. Remove battery.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

When connecting, connect the battery cable to the positive terminal first.

Battery fix frame mounting nut

: 3.9 N·m (0.40 kg·m, 35 in·lb)

Battery terminal nut

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-53, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

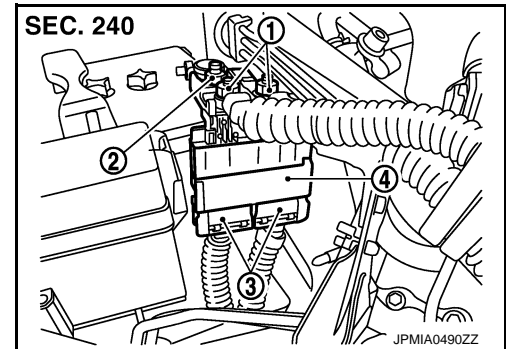
[POWER SUPPLY & GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000008154916

- 1 : Harness mounting nut
- 2 : Fusible link holder mounting nut
- 3 : Harness connector
- 4 : Battery terminal with fusible link

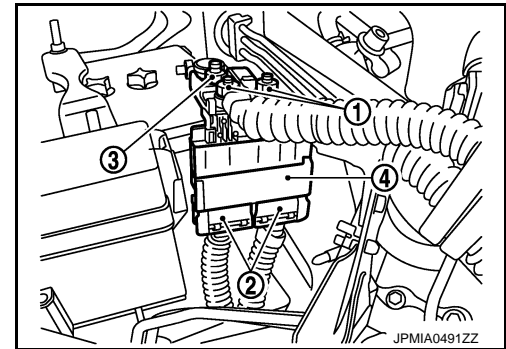


Removal and Installation

INFOID:000000008154917

REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts (1) to disconnect harness connector (2).
5. Remove fusible link holder mounting nut (3) to remove battery terminal with fusible link (4).



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.5 N·m (1.4 kg-m, 10 ft-lb)

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SERVICE DATA AND SPECIFICATIONS (SDS)

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[POWER SUPPLY & GROUND CIRCUIT]

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000008154918

Type		80D23L
20 hour rate capacity	[V - Ah]	12 - 62
Cold cranking current (For reference value)	[A]	582